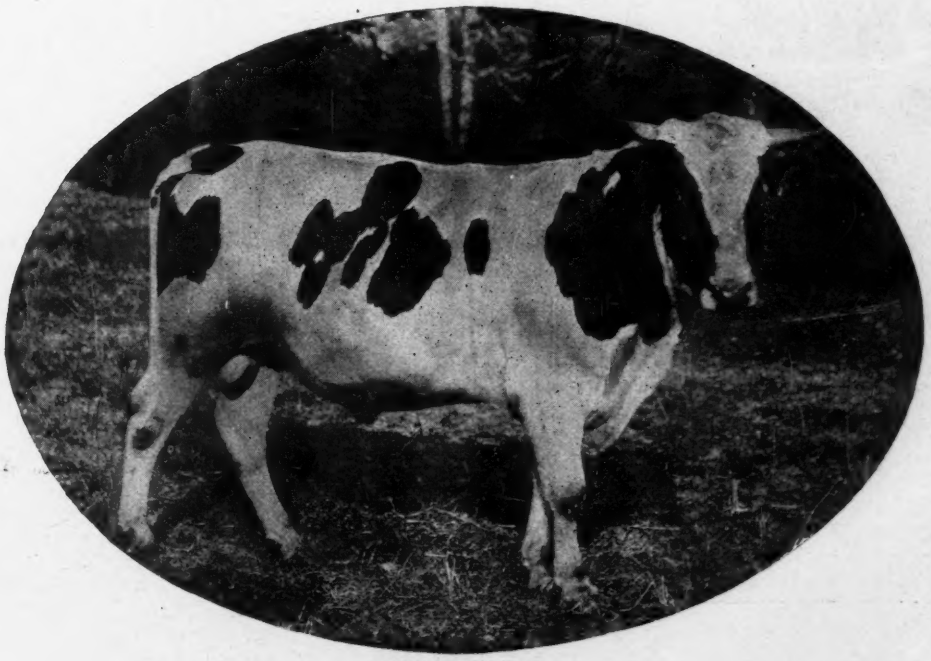
HOLSTEIN-FRIESIAN WORLD

EASTERN EDITION

Vol. X | ITHACA, NEW YORK, APRIL 26, 1913 | No. 9



KING WALKER

45 A. R. O. daughters, 15 with records of 20 to 32 lbs. with first and second calf. Among the number is the world's champion heifer with first calf. A son of Admiral Walker Pietertte. His sire, dam and dam's dam were all sired by sons of Lillian Walker. Owned by Woodcrest Farm, Rifton, N. Y.

Want Ad Column

$1.00 per insertion. Send price with advertising copy.

WANTED

10 heifer calves from one to three months of age.

J. H. STEEN, Kyserike, N. Y.

HILLSIDE STOCK FARM

offer for sale two well bred bull calves born Feb. 14th and March 23, 1913, mostly white—will sell at a bargain. Also eight young cows 2 and 3 years old, bred along the best lines of the breed. Write for prices or come and see them.

STANTON OSTERHOUT

(t. f.) **Cobbleskill, N. Y.**

In writing advertisers mention the WORLD

BELLHOLM FARM

Herd headed by

WALKER LILITH ALTOANA

Son of

LILITH ALTOANA DE KOL

33.61 lbs. butter in 7 days

World's record for senior 3-year-old.

Sire, a grandson of Beauty Pietertje (30.51), the best daughter of Prilly, the greatest foundation cow of the breed. (9)

We offer his service on approved cows at $50 each. Some fine calves for sale.

HAROLD F. HUBBS,
Kirkville, N. Y.

The Crumhorn Dispersion will afford a rare opportunity for both the beginner and the established breeder to secure cattle of the right kind—bred right—built right—right in every way—cattle of the kind that make good every day in the year.

PROSPECT HILL STOCK FARM

Offers bull calves 3 to 6 months old, grandsons of Pietertje Hengerveld Segis, one fine individual nicely marked, from a 27.40-lb. dam with 2 A. R. O. daughters. One extra well built calf, three-fourths white, from a 17.15-lb. 3-year-old daughter of Mercedes Julip Pietertje's Paul.

Other fine calves from heavy producing dams.

Write for pedigrees. Prices reasonable.

P. R. BENNETT,

Milford, Otsego Co., N. Y.

In writing advertisers mention the WORLD

FOR SALE

One 4 month old heifer calf out of a 22-lb. dam, $125. One 3 month old heifer calf out of a 24.47 cow, $125. One 4 month old heifer out of daughter of 22-lb. cow and 33-lb. sire, $100. One 2-year-old bull out of 30.29-lb. sire and Woodcrest Pietje Rebecca, at 3 years, 25.62 lbs. butter, 574.5 milk, $250.

First check gets these cattle as I must sell them.

W. P. CRUMLING, High Rock, Pa.

In writing advertisers mention the WORLD

MADISON LAKE STOCK FARM offers bull calves sired by Prince Korndyke Pontiac No. 94632, a son of Pontiac Korndyke and Pontiac Korndyke Maid, 33.76 lbs. butter in 7 days. Dams of calves are well bred A. R. O. cows and heifers, calves three-quarters white, eight to ten weeks old. Sure to please. Price $75 to $125.

J. L. PHELPS, Solsville, N. Y.

FAIRVIEW FARM HERD

We have for sale a fine young bull sired by Belle Korndyke Sir Mercedes Julip, who is a half brother to King Segis, from A. & G. Belle Korndyke, who is a 22-lb. daughter of Belle Korndyke. Dam of calf is a nice young cow, with a record of 18.26, sired by a brother of Johanna Celeste 26.05. The calf was born, Nov. 29, 1912, is nearly white and a fine individual. Price $75.00.

RICHARD T. EASTMAN, :: Littleton, N. H.

PAUL LYONS HENGERVELD

How many bulls in America whose first and second dams' records average over 32 lbs. each in 7 days, and both above 30 lbs.? I know of but two, and Paul Lyons Hengerveld No. 58213 is one of them. He is now for sale to avoid inbreeding. 4 years old, five-sixth white, very straight, square, deep and showy, weighing 2100 lbs. Kind and sure. Sire, strong in Lyons and Nudine families also tracing to sire of new world's champion 41-lb. cow. Dam, Nudine Lyons De Kol, 30.71 lbs., granddam, 33.31 lbs. A few bull calves also.

E. H. FOSTER - - Barton, New York

THE STEVENS HERD

(ESTABLISHED 1876)

For several years a large percentage of our sales have been made to parties, who had previously bought cattle of us. Some buying for the fourth or fifth time in as many years.

To you who are contemplating purchasing Holstein-Friesians think this over. Look up the achievements of cattle of our breeding, then look at our herd and get our prices before you buy.

Only yesterday we learned that a heifer that we sold in 1910, as a three-year-old for $400 has just made an official butter record of over 33 lbs. in a week—175 head, all ages, both sexes.

HENRY STEVENS & SON, Lacona, N. Y.

THE BLOOMINGDALE HERD SIRES

Johanna Rue 3d's Lad, Hengerveld De Kol, and King Fayne Segis form a splendid succession of sires. Our herd consists almost entirely of their descendents.

At present we have in service:

Prince Hengerveld Fayne, No. 77461.

He was by King Fayne Segis and from Princess Hengerveld De Kol, (33.61 lbs.), who was by Hengerveld De Kol and from a 23-lb. daughter of Johanna Rue 3d's Lad. The records of his dam and sire's dam average 34.59 lb.

Beauty Walker Pietertje Prince, No. 7421.

His sire was from a 32-lb. cow and by the best son of Beauty Pietertje (30.51 lb.), the best daughter of the foundation cow, Prilly.

His dam, Marion Walker Pietertje (31.63 lb.), is the only 30-lb. cow in the world whose dam and both granddams are all 30-lb. cows.

His six nearest dams (all 30-lb. cows) have records averaging 31.65 lb.

In the past the Bloomingdale Sires have made good. We are content to base our future reputation on our present sires.

If you want to breed the money-making kind, secure a bull bred in the Bloomingdale lines.

Jacob Reger, Supt. **Address** **A. A. CORTELYOU, Prop.**
Belle Mead, N. J. **Somerville, N. J.**

SELL YOUR SURPLUS STOCK

through a classified ad in the Ithaca Daily News (10 to 16 pages). One cent a word for one insertion; two cents a word for three insertions; three cents a word for six insertions. Minimum charge 25 cents. We cover a rich farming community.

ITHACA DAILY NEWS, ITHACA, N. Y.

Holstein-Friesian World

Vol. X ITHACA, N. Y., APRIL 26, 1913. No. 17

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ADMIRAL WALKER PIETERTJE

45 A. R. O. daughters (all young), 23 with records of 20 to 31.8 lb. 3 above 30 lb. 7 A. R. O. sons. Two 30-lb. granddaughters. Owned by R. E. Chapin & Son, Batavia, N. Y.

THE WALKER FAMILY.

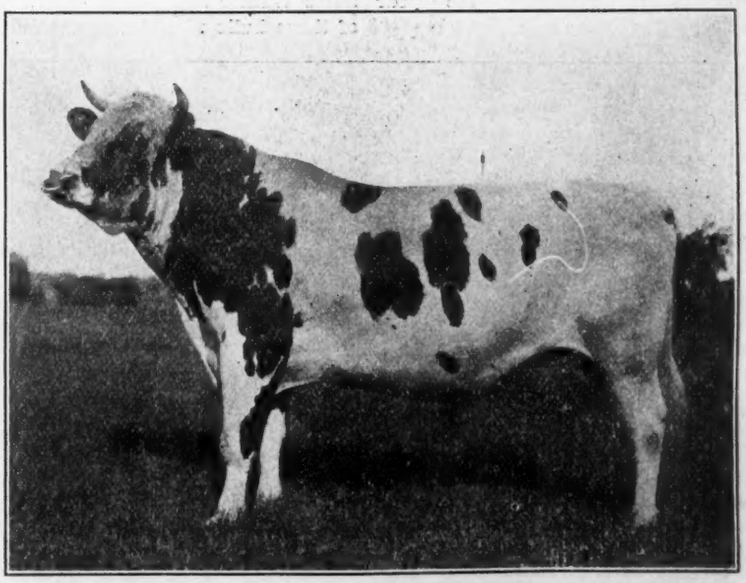
(By M. S. Prescott.)

The foundation cow of the Walker family is Lillian Walker No. 38944. She was bred by A. F. Cole, Morrisville Station, N. Y., and was born April 29, 1895. She was sired by Pietertje Waldorf, who was from Gaastra 3rd, and by Pietertje Goudgeld, a son of Milla's Pietertje Netherland. Her dam, Bessie Welsrijp's Beauty, was from Bessie Welsrijp and by Inka's Pietertje Netherland, a good transmitting son of the foundation cow, Inka, and Milla's Pietertje Netherland. It will be seen that both her grandsires were sons of Milla's Pietertje Netherland, whom I believe to be one of the most prepotent sires of the breed. She dropped her first calf September 15, 1897. This was the bull, Lebanon Pietertje Prince, who was sired by Inka Princess' Pietertje Pledge. Shortly after the birth of this calf she was purchased by Mr. A. A. Hartshorn, Hamilton, N. Y., Here she remained some years—giving birth to Admiral Walker, Lillian Walker 2d and Lillian Boy.

Being greatly impressed with her individual quality, Mr. H. A. Moyer purchased her. As a 7-year-old at Moyerdale, she made the following records:

Butter	24.04
Milk	624.50
30-day record:	
Butter	89.52
Milk	2409.40

This was the first 24-lb. record ever made at Moyerdale.



PAUL BEETS WALKER

17 A. R. O. daughters, including a 25-lb. 3-year-old, a 23-lb. 3-year-old, a 21-lb. junior 2-year-old, and other good ones. A son of Admiral Walker Pietertje. Owned by Knapp & Pierce, East Claridon, Ohio.

LILLIAN WALKER 38944
The dam of Admiral Walker, the sire of Admiral Walker Pietertje.

Lillian Walker is the dam of:
Lillian Walker 3rd:

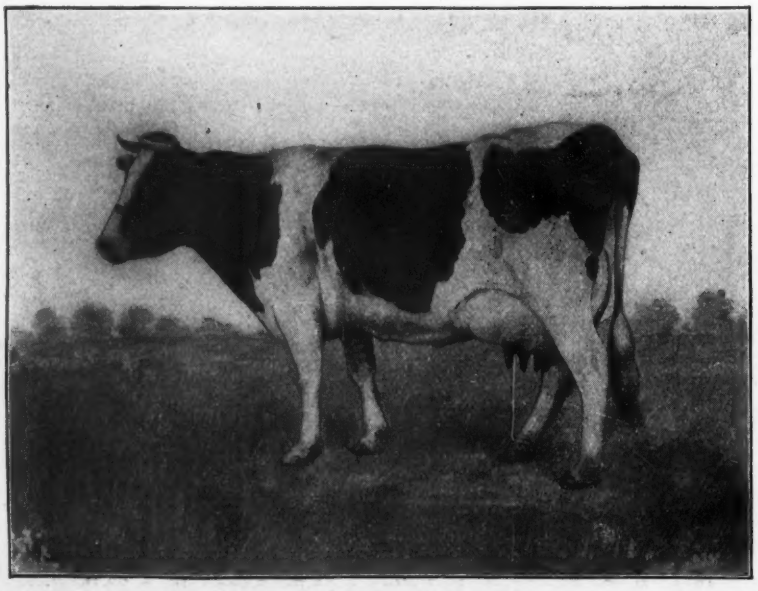
At 5 years:	
Butter	28.74
Milk	563.60
30-day record:	
Butter	113.31
Milk	2333.60
At 2 years, 11 months, 22 days:	
Butter	23.45
Milk	535.00
30-day record:	
Butter	91.999
Milk	2183.80

The two and one-half-year-old records of Lillian Walker 3rd were awarded first prize for the year 1906-07.

It has often been stated that this 30-day record was a world's record at the time it was made. This, however, is not the case, as somewhat over three years previous the wonderful California heifer, Juliana De Kol, made a 30-day record at 2 years, 10 months of 92.47 lb. butter.

Lillian Walker 3rd is the dam of Walker Korndyke Segis, whose daughters are making an exceptional showing, one producing over 20 lb. butter in seven days at twenty-two months of age.

The three sons of Lillian Walker are Lebanon Pietertje Prince, Admiral Walker and Lillian Boy. Each of these bulls was slaughtered at the age of three years, and as a consequence their opportunities for siring numbers were very limited.



LILLIAN WALKER PIETERTJE
Record 7 days, 30 lbs.; 30 days, 125 lbs. A sister to Admiral Walker Pietertje. The first 30-lb. cow to have a 30-lb. dam.

Lebanon Pietertje Prince has nine A. R. O. daughters, including:

Beauty Pietertje	30.50
Cleopatra Gelsche	29.12
Eliza Pietertje	24.19
Mercedes Cloth. Pietertje	21.00

He has one A. R. O. son.
He is grandisre of:

Clarissa Clothilde Pietertje	32.52
30 days	126.90
Segis Pietertje Eliza, 3½ yr.	31.06
30 days	125.73
Lillian Walker Pietertje	30.01
30 days	125.33
Cleopatra Gelsche 2d	28.32
Segis Beauty, 3½ yr.	28.24
Segis Eliza, 3½ yr.	26.09

Beauty Pietertje, the best daughter of Lebanon Pietertje Prince, is granddam of:

Marion Walker Pietertje	31.63
Ruby Walker Pietertje	29.43

Lillian Boy has had but one daughter tested. This one, Cleopatra Gelsche 2d, made from only three-quarters of her udder, 28.32 lb. butter in seven days. Lillian Boy was sired by Admiral Walker, whose achievements will be described below, and thus carries 75 per cent of the blood of Lillian Walker.

Admiral Walker has six A. R. O. daughters, including:

Lillian Walker Pietertje	30.01
30 days	125.33
Isabella Cloth. Walker	27.66
30 days	108.19
Mildred Walker	26.91
30 days	106.78
Lilly Belle Walker	22.43

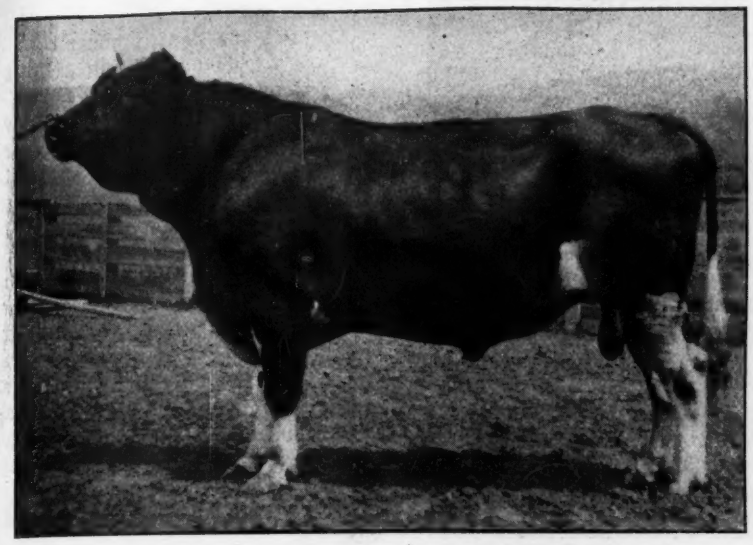
Through these daughters he is grandsire of:

Lottie Walker Spofford, 4½	32.50
30 days	120.18
Ruby Walker Pietertje	29.43
Prilly Walker, 4½ yr.	26.84
Mildred Walker 2d, 3 yr.	25.09

Perhaps the greatest representative of the Walker family is Admiral Walker Pietertje, a son of Admiral Walker and Mary R. Pietertje, who made records of 24.83 lb. in seven days, 103.46 lb. in thirty days. She was by Gold Boy Pietertje, and from a daughter of Pietertje Hartog.

Admiral Walker Pietertje now has 45 A. R. O. daughters, including:

Mary Walker Pietertje	31.81
30 days	130.38
Betsey Hamilton Beauty, 5	31.23
At 4 years	30.97
30 days	126.49
(World's record when made).	
Hattie Walker De Kol	30.45
Dorothea Walker Pietertje	27.73
30 days	114.27
Miss McKinley Walker	27.72
Prilly Walker, 4½ yr.	26.84



ADMIRAL WALKER GELSCHE

41 A. R. O. daughters, including four with records of 26 and 27 lb. at three and four years. 3 A. R. O. sons. A son of Admiral Walker Pietertje and Cleopatra Gelsche (29.12 lb.), who was by a son of Lillian Walker. Owned by G. F. Gregory, Dummerston, Vt.

Seventeen others with records of 20 to 24.93, several being made as two-year-olds.

The records of the whole forty-five, a large percentage of which are two and three-year-olds, average 20.74 lb.

In semi-official yearly test his daughters have made a good showing. Following is a list of the three that have completed their records:

Belle Walker De Kol	869.80
Milk	19957.60
Walker Pamelia Piet., 2 yr.	780.71
Milk	17316.00
Flora Belle Walker, 33 mo.	588.44
Milk	1365.90

The daughters of Admiral Walker Pietertje have held three world's records.

Mary Walker Pietertje, his largest record daughter, is the dam of Marion Walker Pietertje (31.63 lb.)

Seven sons of Admiral Walker Pietertje have produced A. R. O. daughters. Perhaps the best of these is King Walker, now in service in the Woodcrest herd.

King Walker is strongly in bred in the Walker family, his sire, dam, and dam's dam all being by sons of Lillian Walker. He has 40 A. R. O. daughters, including:

Tirania Lady Aouda 5th A. 3 yr.	32.30
30 days	129.37
(World's record heifer with first calf.)	
Aaggie Walker Pietertje, 4	29.02
30 days	116.11
Betta Lyons Walker, 3½ yr.	28.35
Prilly Princess Walker, 32 m	25.29
Six other two-year-olds above 20 lb.	

Another good son of Admiral Walker Pietertje is Admiral Walker Gelsche, whose dam, Cleopatra Gelsche (29.12 lb.), was by a son of Lillian Walker. His 41 A. R. O. daughters include:

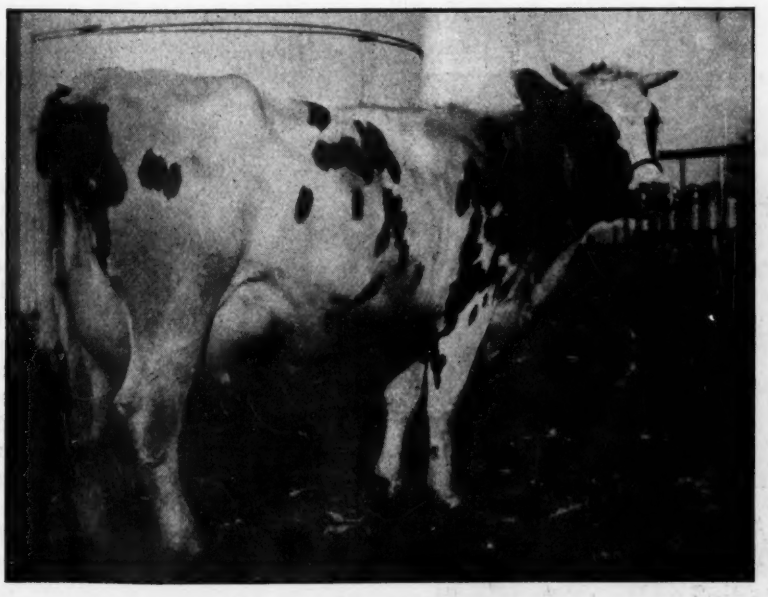
Bertha Hamilton Gelsche, 4	27.44
Abby Hartog Cloth. 2d, 4½	27.16
Anna Walker Gelsche, 3½	26.16
Lilith Gelsche, 3½	23.39
Gelsche Walker, 3	23.02
Charlotte Walker, 2	21.42
365 days	703.99

A third son is Paul Beets Walker, whose 17 A. R. O. daughters include:

Spring Brook Klara Beets, 3½ yrs.	25.10
Spring Brook De Kol Klara, 3 yrs.	23.46
Spring Brook Flora Beets, 3 yrs.	21.57
Spring Brook Hazel, 2 yrs.	21.28

These few instances serve to show a little of the transmitting ability of the Walker family. In addition to superior producing quality, this family possesses the very important characteristic of breeding true to type—the correct type—long and deep bodied, straight and square built.

The Walkers are every day growing in popular favor.



SPRING BROOK HAZEL

At 2 years, 3 months, butter, 21.28; milk, 408.00; average % fat, 4.17. A daughter of Paul Beets Walker. Owned by Knapp & Pierce, East Claridon, Ohio.

THE HOLSTEIN-FRIESIAN COW.

By T. J. Julian, President Iowa Holstein-Friesian Breeders' Association.

I am lead to write this article because of an editorial that appeared in your February 20th issue, which was a reply to an inquiry from a Clay County, Iowa, subscriber, entitled "Change in Farm Management." The inquirer said that he desired to keep eight registered brood sows and was planning to buy 10 Jersey or Guernsey cows. In your February 27th issue you answered another inquiry from a South Dakota subscriber who asked whether he had better use Holstein-Friesian or Shorthorn cows for the dairy. Now, Mr. Editor, I wish to say that I believe the Holstein-Friesian cow to be superior to all cows for the dairy in this section of country. She is superior as a producer of milk, butter, and cheese, because she can produce them at a greater net profit than any other cow.

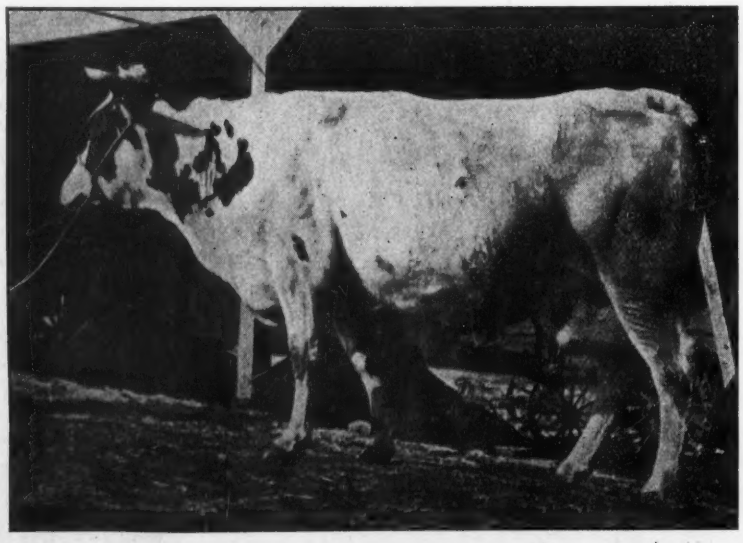
You hear much talk from the public platform at institutes and dairy meetings from the advocates of small cows about ten per cent profits, and

WALKER PAMELIA PIETERTJE
At 2 years, 2 months, 9 days, butter, 7 days, 18.15; milk, 450.70; butter 30 days, 70.37; 8 months after calving, 14.34; (3rd prize 1911-12). Semi-official year's record, butter, 780.71; milk, 17,316.00. A daughter of Admiral Walker Pietertje. Owned by R. E. Chapin & Son, Batavia, N. Y.

economical production, both of which are very misleading, unless other things are taken into consideration. One cow may give a much larger per cent of profit than another and yet her net profit may be very much lower. Now let me prove it. Study the problem over, readers of Farmer and Breeder, and if I am not right show me where I am wrong. If I prove my case, and you are running a dairy, then go to the nearest breeder of good Holstein-Friesians and buy a bull to improve your herd.

Some years ago I had charge of a very large dairy. All breeds were represented, scrubs predominating. This gave me a great opportunity to study breeds and compare them with each other. To prove the fallacy or truthfulness of per cent profit as against net profit I took four cows under my own care. I fed, cared for, and milked those four cows myself. Two of them were large Holstein-Friesians, with great big udders; the other two were Jerseys.

I like big udders. I am a firm believer in the saying "No udder no cow." It is just as true as "No feet no horse." A cow must have the reservoir, store room or warehouse to hold the manufactured product she has made out of the food she has eaten, and the larger this reservoir or udder, if of the right texture, the more product it will hold. Furthermore, the more milk it holds the greater the net profit, though the small udder might mean a higher per cent profit.



DUCHESS MANOR BEETS AAGGIE DE KOL 2D
At 3½ years, butter, 7 days, 22.37; milk, 556.90; butter 30 days, 87.30. A daughter of King Walker. Owned by R. E. Chapin & Son, Batavia, N. Y.

The two big cows produced on an average 2.5 pounds of butter fat per day. Good cows, were they not? Two of as pretty Jersey cows as I ever saw, of the refined, beautiful type—the type that wins in the show ring—gave on an average one pound per day. Now the big cows were big eaters. They had ravenous appetites. They never minced their feed. They went after it like a hungry country boy after his dinner. The big cows were given about 15 pounds of grain per day mixed as follows: Two pounds oil meal, eight pounds of oats, and five pounds bran. Feed was cheaper then than now, so it cost 14.2 cents per day.

This is leaving out the silage and timothy hay. Of these two products I fed as much as the cows would eat without waste. The Jerseys ate six pounds of grain per day—one pound oil meal, two pounds ground oats, and three pounds bran. That was all the grain they would eat with a relish; in addition they were fed as much silage and hay as they could or would eat. The cost of the grain feed was 5.6 cents per day. Butter fat at the time brought 25 cents per pound. The 2.5 pounds, produced per day by the big cows, therefore, brought 62.5 cents. Subtracting 14.2 cents—the feed cost—left 48.3 cents net profit. The pound of butter fat produced by the Jerseys brought 25 cents. Subtracting the cost of the feed—5.6 cents—left 19.4 cents net profit. Anyone can see that the net profit from the big cows was about 2.4 times greater than the net profit from the little cows. Now let us see how about the per cent profit which the misguided owners of little cows talk so much about.

Divide the 62.5 cents worth of butter fat obtained from the big cows by 48.3 cents—the net profit—gives us about 129 percent profit. Strange to say that dividing the 25 cents worth of butter fat obtained from the small or Jersey cows by 19.4 cents—the net profit—also gives 129 per cent profit. The big, robust, vigorous cows made 2.4 times more net profit than the little Jerseys, yet the big cows made no greater per cent profit on the feed consumed. Put in another way, the big cows gave a net profit of $2.40 every time the little cows gave $1, yet the per cent profit was the same. Don't be fooled any longer by such misleading matters as "per cent profit."

I have just read an argument by Mr. Malcolm H. Gardner of the Advanced Registry, which shows up in fine shape the fallacy of per cent profit over net profit. It is as follows:

(Continued on page 329.)

Field Notes.

The next article in the Prescott-World series will be a sketch of Aaggie Cornucopia Johanna Lad, Jr., illustrated.

April 21st, F. M. Jones of Spring Farm fame gave Tweede De Kol Lass an auto ride to Brookside Farms, Liverpool, N. Y. She is to be bred to King of the Pontiacs, so long as both shall live.

Barney Kelley says that the sales of Holstein-Friesians this year are brisker than ever before and the supply far from equal to the demand. Breeders have fewer bulls on hand than usual for this time of year.

Francis M. Jones writes from Cold Spring Farm to say that in our list of celebrities in his herd we left out one of his best cows, viz: Orpha Pontiac (31.48), but among so many one is hardly missed.

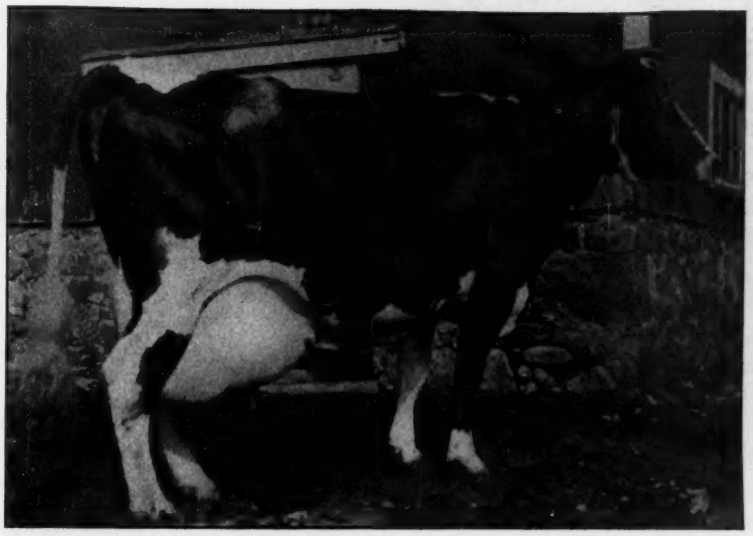
Speaking about fashionable color markings for Holstein-Friesians, Spring Farm Pontiac Lass seems to belong to the brunette type like her other sister champions. Why don't some of our color-fadists trot out some 44-lb. blondes?

The annual meeting of the Guernsey Cattle Club is to be held in New York City, May 14, 1913. One of the subjects to be considered is the advisability of establishing as an appendix to the Herd Register, a Register of Grade Guernseys.

S. W. Merrick writes: "Please change the address of my paper from Elburn, Ill., to Tunnel, N. Y., as I have moved to the Empire State and brought along my Black and Whites. I have to have the World to keep posted as to 'Who's Who and Why' in the Holstein-Friesian ranks."

On account of conflicting dates, Jacob Todd, Jr., has changed the date of his sale from May 29th to May 20th. For confirmation see advertisement, also Bulletin Board article. Send for catalogue now so that they can be mailed to you as soon as issued.

F. M. Jones says that Twede White Lady, dam of Spring Farm King Pontiac, is only ten pounds behind Johanna De Kol Van Beers for butter production in 90 days. Both of these cows are striving to capture the year's record now held by Banostine Belle De Kol, the champion of Maple Crest Farm of East Claridon, Ohio.

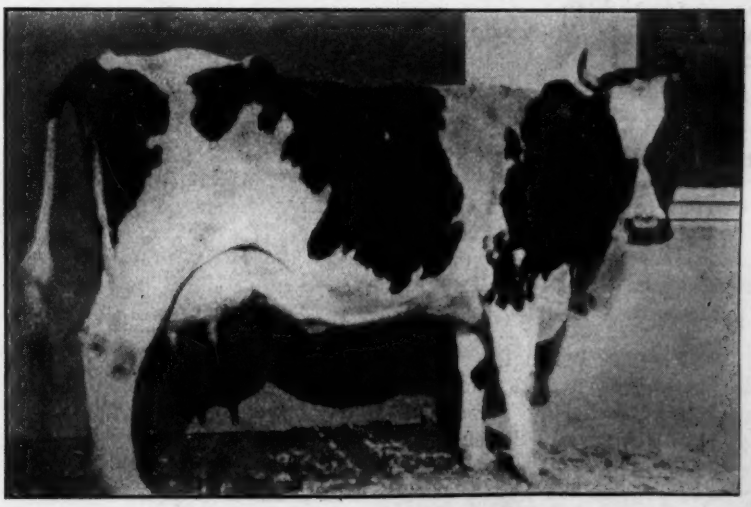


MARY WALKER PIETERTJE
Butter 7 days, 31.81; butter 30 days, 130.38; butter (at 2 years), 20.01. (World's record when made). Dam of Marion Walker Pietertje, 31.63; Buttercup Walker Pietertje, 3½ years, 21.38. The only 31-lb. cow having a 31-lb. daughter and a 31-lb. dam. A daughter of Admiral Walker Pietertje. Owned by A. A. Hartshorn, Hamilton, N. Y.

The New York State Department of Agriculture is sending out a warning in regard to the sale of adulterated vinegar, large quantities having been discovered in certain sections of the state. It is believed to contain pyroligneous, or wood acid. Commissioner Huson promises that dealers handling this adulterated vinegar will be prosecuted.

The state for years has maintained the Department of Agriculture and the various departments under it. It maintains several schools of agriculture for the purpose of improving agricultural methods and of developing the agricultural resources of the state. There are now the State Experimental Station at Geneva, the Alfred University School of Agriculture, the Morrisville School of Agriculture, the St. Lawrence University School of Agriculture, Schoharie School of Agriculture, Syracuse University of Forestry, and the State College of Agriculture at Cornell University. For the maintenance of the Department of Agriculture, the state expended during the years 1910 and 1911, $2,346,714.55.

Albany, April 2.—A bill has been introduced by Assemblyman Charles H. Gallup and by Senator Wheeler empowering the State Commissioner of Agriculture to examine the farm land of the almshouse farms in the



ABBY HARTOG CLOTHILDE 2D
At 4 years, 9 months, 27 days, butter, 27.16; milk, 597.10; butter 3½ year, 26.11. A daughter of Admiral Walker Gelsche. Owned by A. A. Hartshorn, Hamilton, N. Y.

various counties, to decide to what they are best adapted and to report to the Superintendents of the Poor and Boards of Supervisors. The commissioner is to designate members of the staff of the Experimental Station at Geneva, and of the faculties of the State College of Agriculture at Cornell University and the various schools of agriculture to carry out this work under his direction. He is empowered to hold demonstrations and lectures at the almshouse farms once each year, notice of such lectures being given to the farmers of the county.

AGAIN AT THE WHITE CITY STOCK FARMS.

Recently I received a call to come to the White City Stock Farm to arrange for the "Quality Sale," which is to occur on May 23rd. When I last wrote I told of the herd Mr. Vandervoort was getting together. It is certainly wonderful to look at the herd now and see how they have developed under his good management, feeding and official work. Mr. Vandervoort has hardly left the farm for two months, being constantly employed in making official tests.

The herd is a most productive bunch. Thirty-four are in milk now and are producing nearly sixteen cans a day. Twelve are two-year-olds with first calf. The entire herd will average about two months fresh. Not only are they great producers, but rich in Korndyke blood and showy animals.

When Mr. Vandervoort was milking "Pride of Fortune," a two-year-old, he remarked: "If I had fifty like this one I should consider them worth $50,000." They are not all equal to Pride of Fortune, but they are a very fine lot as you will see when you read the advertisements of this sale in the columns of this paper.

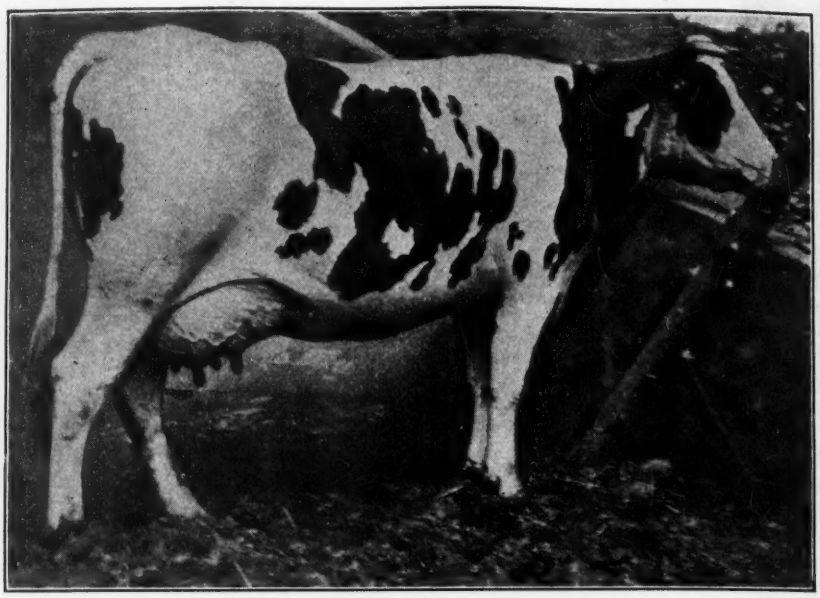
H. MASON KNOX.

Be not penurious or miserly,
Far better err in liberality.

Adherence to any fad is not only detrimental to any breed, but also has a tendency to narrow the market for stock of that breed.—M. H. Gardner, Supt. A. R.

W. J. Martin, Darlington, Wis., writes: "I think more of the Holstein-Friesian World all the time. It should have a wider circulation. Send me some sample copies and I will see what I can do here in Darlington."

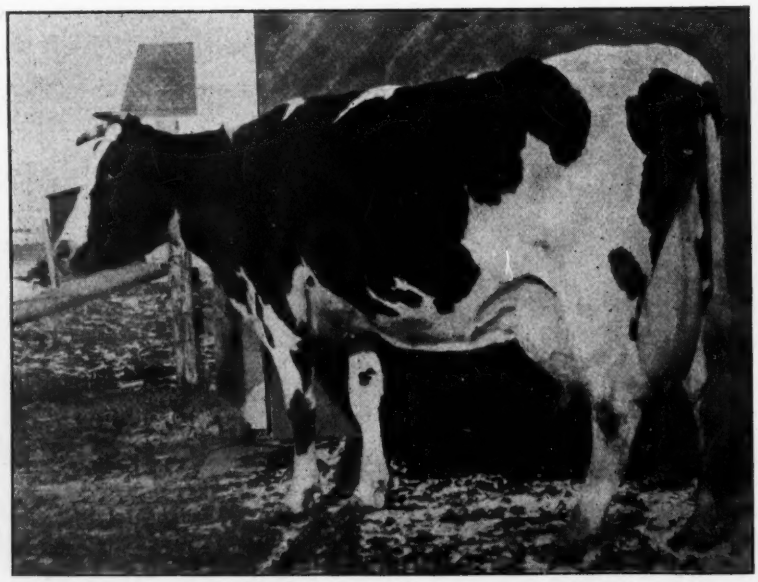
[The help of our good friends is telling. We are adding over 100 names a week.—Editor.]



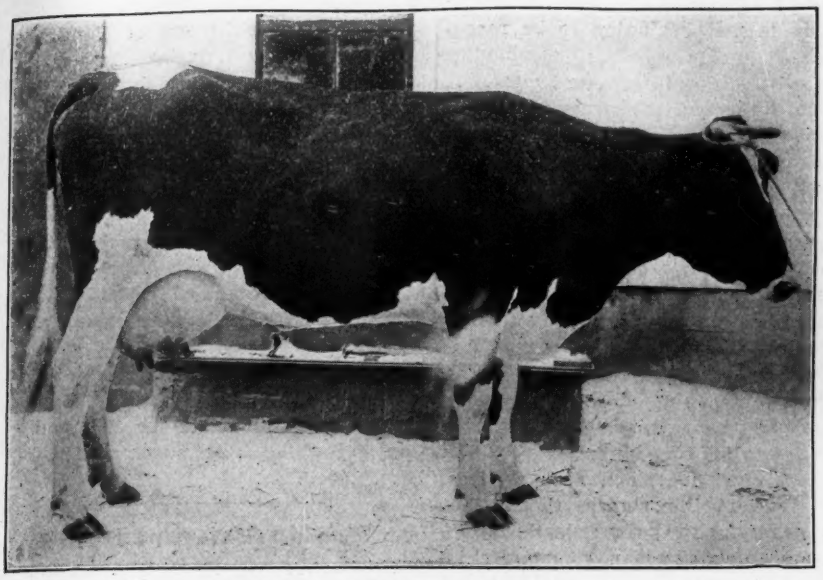
MARION WALKER PIETERTJE
Butter 7 days, 31.63; butter 30 days, 121.15. The only 31-lb. cow having a 31-lb. dam and dam's dam. A granddaughter of Admiral Walker Pietertje. Owned by A. A. Hartshorn, Hamilton, N. Y.

FADS IN STOCK BREEDING NARROW THE MARKET.

During the past year or two, I have been brought into contact with the color question from an unexpected angle—that of its relation to pure bred Holstein-Friesian bulls in grade or scrub herds. Many farmer-dairymen have written me for suggestions in regard to the purchase of a pure bred bull; and of those mentioning color four-fifths showed a preference for light colors. When I asked their reasons for preferring light colors, almost to a man they answered that they had none, only that they had noticed that Holstein-Friesian breeders seemed to prefer light colors in buying bulls to head their own herds. Quite a number of letters have come to me from farmers who have bought pure bred Holstein-Friesian bulls, complaining that their calves were half or more red and white, and casting doubts on the purity of blood of the bulls sold them. Lastly, several Holstein-Friesian breeders have written me as to what should be expected from Holstein-Friesian bulls in grade or scrub herds; showing that



BETSEY HAMILTON BEAUTY
At 5 years, butter 7 days, 31.23; at 4 years, butter 7 days, 30.97; butter 30 days, 126.49. (World's record when made). A daughter of Admiral Walker Pietertje.



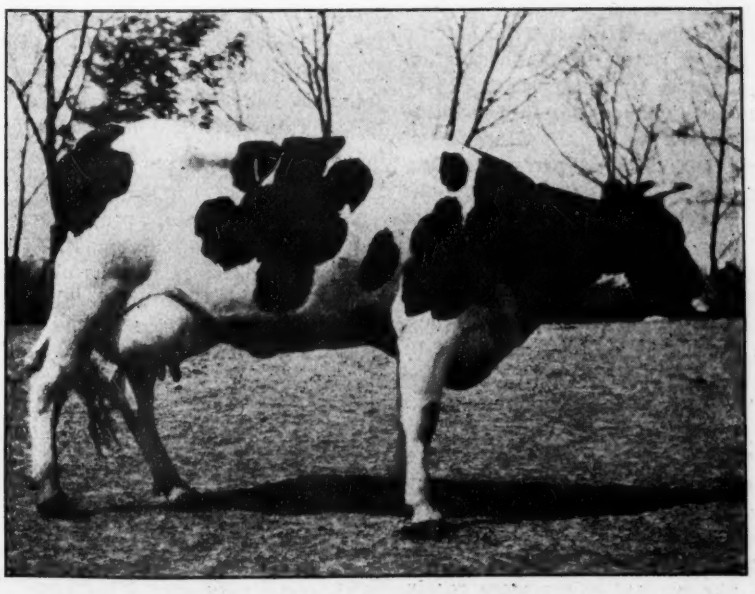
BERTHA HAMILTON GELSCHE
Butter 4 years, 27.44; butter 2 years, 21.26. A daughter of Admiral Walker Gelsche. Owned by A. A. Hartshorn, Hamilton, N. Y.

purchasers of bulls from their herds were finding fault as to the outcome in color of calves.

I have referred many times to the color question, and am beginning to think that persistence by our breeders in any such fad will furnish a serious problem for the future. It is needless to mention that the great majority of our greatest cows show dark colors, for all breeders who have looked into the color matter know that. Also, most know that the great majority of the foundation stock imported from Holland had the black and white markings in nearly even proportions; for while they looked dark in color, the skin if spread out would show nearly as much white as black. White is the most persistent of colors, and one difficult to breed off. It is seldom that one finds an all black horse, cow, pig, dog or cat. Even with the blackest a few white hairs are apt to be found, usually at the extremities. The horse will have a white star, or foot; the pig, a snip, star, white feet or switch; the dog and cat, white, throat or belly. It may be only a few white hairs, but the white is pretty sure to be there.

When black is bred off it does not retire to the extremities, but just disappears; and in some cases it has nearly been bred off of Holstein-Friesians. I know of one case where a valuable cow was only saved by a black spot as large as a silver dollar; and I have seen many animals with very little black. Now, what is to be expected if a pure bred, light colored Holstein-Friesian bull, with the tendency to black weakened for generations because of a color fad, is sold into a grade Shorthorn herd? The colors of the Shorthorn are red and white, or a mixture of red and white making roan. The white is common to Holstein-Friesians and Durhams, and the red in the one is as strong as the black naturally is in the other. But if the tendency to black be weakened in the Holstein-Friesian sire, it is more than likely that the red of the grade Shorthorn dams will prove as strong or even stronger than the black of the sire. In the former case the calves will be half red and white and half black and white; and in the latter case there will be more that are red and white. While the black color may prove a handicap when quarter bloods because black and white are called Holstein-Friesians, on the whole it is an asset that the Holstein-Friesian breed can ill afford to lose. Adherence to any fad is not only detrimental to any breed, but also has a tendency to narrow the market for stock of that breed.

M. H. GARDNER,
Supt. of A. R.



TIRANIA LADY AOUDA 5TH A.
At 3 years, 2 months, butter, 32.30; milk, 551.90; average % fat, 4.66; 30-day record: butter, 129.37; milk, 2,422.00; average % fat, 4.28. (World's record for a heifer with first calf). A daughter of King Walker. Owned by Woodcrest Farm, Rifton, N. Y.

Farming requires some breadth of intellect;
A love of nature, and high self respect.

The black color is an asset that the Holstein-Friesian breed can ill afford to lose—M. H. Gardner, Supt. A. R.

I very much enjoy your paper and its many illustrations—hope I won't drop out too soon.—H. Merle Bottum, Shaftsbury, Vt.

Philip A. Beyer, Castorland, N. Y., writes: "Enclosed find $2.00 to pay my subscription for the best paper I ever read."

I consider your paper the best medium for information along Holstein-Friesian lines that is available. —W. J. Manley, Buffalo, N. Y.

One after another the cows that have made great long-time records are freshening and showing such large records as to prove that the yearly test adds greatly in development.—M. H. Gardner, Supt. A. R.

HOLSTEIN-FRIESIAN WORLD

A weekly Journal for the Holstein-Friesian Breeder, the Dairyman and General Farmer.

Entered at the Ithaca, (N. Y.) Postoffice as second class mail matter.
Issued on alternate Saturdays from Ithaca, N. Y., and Madison, Wis.

C. G. BROWN, B. S., B. S. A.
Publisher, and editor of the Eastern Edition.

ITHACA, N. Y.

I. S. BROWN, B. S. A.,
Editor of Western Edition, Madison, Wis.
Assisted by a corps of able contributors.

Subscription price, One Dollar per year in advance.

Personal checks will be accepted for sums not less than $1.00.

Payments of less than One Dollar may be made in one-cent or two-cent postage stamps.

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When a subscriber wishes his subscription discontinued he should notify his nearest office.

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Approved cuts of meritorious Holstein-Friesian animals, when furnished, will be published free of charge.

If photographs are sent, cuts will be charged for at cost price.

All matter for publication must reach the editor by Tuesday of the week of publication to insure appearance in current issue.

Advertising rates sent on application. Address your nearest office of publication.

Editorials

Community Breeding. Time was when a breeder looked with apprehension at the attempt to establish another herd of the same breed in his approximate neighborhood. Competition was feared, and the establishment of another herd was looked upon as an encroachment upon a prior right. This notion is fast giving away, in fact, is being relegated to the limbo of fool fads and fancies.

It is now becoming a well recognized fact that the greater the number of breeders of the same breed in the same locality, the better for each individual breeder. Community breeding not only creates healthy rivalry but as an attraction is governed by the same law that governs all attraction through the universe, which is directly as the mass and inversely as the square of the distance. The greater the number of breeders in one locality the greater the attraction to outside buyers. Wide separation of breeders immensely lessens their power to attract buyers.

There is another feature of community breeding whose economic value is just beginning to be recognized. I refer to the community ownership of valuable herd sires. It is not often that the owner of a small herd feels financially able to purchase a herd sire of the first rank. If there is no handicap in this direction, it would not be wise to confine the services of such a sire to a small herd. If purchased by a community the purchase price is distributed, and the possibility of the sire becoming famous greatly augmented. Every fine daughter, or son, of such a sire, increases the value of every breeder's holdings the same as though it belonged to his own herd.

Last, but not least, and, perhaps, of greatest importance, though not as generally recognized, is the establishing of a common community interest, the solidifying individuals into neighborhood units, the promotion of fellowship, effort and influence. A community acting as individuals is like a rope of sand, but bound together by a common interest it presents an irresistible force. Community breeding is progress; it is a movement in lines parallel with natural evolution.

The Hunt Sale. The Thirteenth Annual Hunt Sale, which was held at the New York fair grounds April 22, 23 and 24, added one more to his long series of successful sales.

The first day of the sale and to noon of the second day, the attendance was light, but at 3:30 in the afternoon when we were obliged to leave to catch our train there was a goodly attendance at the ringside, the buyers were appreciative and the bidding was lively. Many of the best offerings were yet to be brought in.

Among the heavy out-of-the-state purchasers were T. H. Rusesll of Geneva, Ohio; Sam Werren, No. Benton, Ohio; Albert B. Dickinson, Lake Geneva, Wis.; C. D. Fortnam, Tyler Hill, Pa.; H. W. Shughart, Carlisle, Pa.; H. C. Glissmann, Omaha, Neb; W. Rutherford, Allamuchy, N. J.; F. Buzard, St. Joseph, Mo.; W. A. Shaw, Ont.; J. E. George, Sudlersville, Md.; also made purchases. Among the heaviest New York State purchasers were Geo. T. Hubble, Warner; K. L. Goldsmith, Port Gibson; R. D. Lee, Cazenovia; L. L. Lawson, La Grangeville; Elmer Hitchcock, New Woodstock; G. F. Chesbro, Camillus and D. E. Carley, Manlius.

No phenomenal prices were received and, in fact, were not expected. A great majority of the animals were young and without records. While we were present the highest price paid was for Imperial Pontiac Korndyke, the 7-year-old son of Pontiac Korndyke and Pontiac Imperial (23.37). He was secured by T. H. Russell at $800. It is probable that his age was the barrier between him and a much higher price. A cut of this bull appeared in our March 29th number.

Up to the time that we were obliged to leave, 115 animals had brought $21,505, an average of $187. Elsewhere we give a detailed report of these sales.

As we go to press this telegram is received from Mr. Hunt: "Total amount of sale $39,000 for 195 head. Considered the best sale ever held here."

NEW ADVERTISEMENTS.

J. H. Steen, Kyserike, N. Y., wants to purchase 10 heifer calves, one to three months old.

R. H. Beard, Cortland, N. Y., offers to sell or exchange for Holstein-Friesians, a pure-bred Kentucky Jack.

In this number of the World Stevens Bros. Co., in their advertisement, tell you about their four great service bulls. They constitute a Big Four.

Hillside Stock Farm, Stanton Osterhout, Cobleskill, N. Y., offers eight choicely bred two and three-year-old heifers, also well-bred bull calves. Write for description and prices.

See announcement of Vandervoort's Quality Sale, May 23d, at the White City Stock Farm, Sidney, N. Y., also Bulletin Board article for further information, and subsequent advertisements.

J. A. McGregor, proprietor of Cedar Dell Herd, offers a son of Sir Johanna Lady Korndyke, out of a 19.43-lb. three-year-old dam, also one out of a 20-lb. dam. Here is some good material.

Francis M. Jones, proprietor of Spring Farm Herd, Clinton, N. Y., offers a young sire 11 months old, that is closely related to the world champion 44-pounder. Price and pedigree in add.

If you want a young sire out of King Pontiac Canary, a brother to Spring Farm Pontiac Lass, go to Lamb & Langworthy, proprietors of Maplehurst Farms, East Hamilton, N. Y.

C. H. Chase, proprietor of Locust Grove Farm, offers a six-months-old son of King Pontiac Jewel, whose first three daughters to come in milk average 18.661 lbs. in a week. This calf is a fine individual.

THE BREEDERS' CONSIGNMENT SALE

Rounding out a decade of successful, progressive auction salesmanship, this established institution stands true to its traditions and reputation. Always the leading Holstein-Friesian event of the year, it still ranks as the foremost annual sale. In respect to the number and quality of its offerings and the permanence of its organization, it is alone in its class. Sales may come and sales may go, but the Breeders' Consignment Sale lives through the years. Among the multitude of public sales, good, bad or indifferent, The Breeders' Consignment Sale records a steadily advancing standard of excellence. Each of its sales is better than any that have preceded.

The Coming June Sale (Syracuse, N. Y., June 5 and 6), promises to be the best in the series in every important respect. Its offerings are individually as good as the contributors can choose, and in pedigree as good as the breed affords.

The 200 head to be sold include—

Bloomingdale Hengerveld Model (30.26 lb. at 4½ years; 26.97 lb. at 2½ years), the largest record daughter of Hengerveld De Kol ever offered for sale. The only other 30-lb. daughter of Hengerveld De Kol ever sold recently brought in public sale $3500.00.

Four other daughters of Hengerveld De Kol, with records of 25 to 27 lb. each.

Segis Fayne Johanna (30.66 lb.), the best daughter of the splendid sire, King Fayne Segis, and her daughter by Beauty Pietertje Walker Prince, whose six nearest dams are all 30-lb. cows.

Ten other daughters of King Fayne Segis, two with records, at 23 months, of 19.78 and 23.56 lb. (the latter a world's record), and four others with junior 3-year-old records of 21 to 25 lb. each.

Mutual De Kol, a 30-lb. daughter of De Kol 2nd's Mutual Paul, and four of her daughters.

Segis Beets Girl, a 24-lb. junior 2-year-old daughter of King Segis, from a 30-lb. 4½-year-old daughter of Paul Beets De Kol.

A yearling son of King of the Pontiacs and Pontiac Asia, a 26-lb. daughter of Hengerveld De Kol, with a good semi-official record.

A 2-year-old son of Pontiac Korndyke, from a 26-lb. dam.

A yearling bull sired by one of the best sons of King Fayne Segis and from a 24-lb. 3-year-old daughter of Valdessa Scott 2d (41.88 lb.)

All the leading sires are prominently represented.

Remember the place and the time—Syracuse, N. Y., June 5-6, 1913.

Watch for further announcements.

For catalog or other information, address,

E. M. HASTINGS, Sale Manager, :-: :-: Lacona, N. Y.

In writing for catalogue be sure to mention the World and whether or not you expect to attend the sale.

Read the ad. of Beach and Wirt, Battle Creek, Mich. You can get a young bull from a daughter of any one of five famous sires.

C. H. Fitch & Sons, proprietors of Maple Ridge Herd, Burlington Flats, N. Y., offer sons of Maple Ridge King Pontiac, a brother of the 44-lb. champion. The dams are all record cows. Write for individual descriptions.

Here is a chance to get a son of a 24-lb. cow, or the son of a 26-lb. cow, the former sired by Aaggie of Lynfield's Pauline 3rd, the latter by a son of King of the Hengervelds. Write G. D. Tinsman, Williamsport, Pa.

Oak Hill Farm, Herkimer, N. Y., Max Miller, proprietor, offers five young cows with records from 20 to 24½ lbs., some with 30-lb. cows in their pedigrees. If you want something choice at reasonable prices, write Max Miller.

Norwich Stock Farm, R. C. Wells, proprietor, Norwich, N. Y., has a brother of the 44.15-lb. champion at the head of his herd. Here you can get world record quality, any age, male or female. Only one bull calf, a cousin of the world champion, left.

See the announcement of Todd's Semi-Annual Inter-State Consignment Sale, which is scheduled for May 20, 1913, at Trenton, N. J. Cortelyou, Meyer, Hill, Bergen, Stryker, Opie and Skillman, consignors. Write Jacob Todd, Jr., Somerville, N. J., for catalogue.

If you want a young sire out of Friend Hengerveld De Kol Butter Boy, whose daughters occupy as many first places in A. R. O. and semi-official classes as any other two sires, write Dan Dimmick and Brother, Kalamazoo, Mich. They can supply the goods.

Read the announcement of the Breeders' Consignment Sale at Syracuse, June 5 and 6. There will be daughters of Hengerveld De Kol, King Fayne Segis, De Kol 2d's Mutual Paul, a son of Pontiac Korndyke, etc., etc., This as usual will be the crowning feature of the Holstein-Friesian year.

In this number of the World is announced the Absolute Dispersion Sale of the Crumhorn Herd, Pompton Plaines, N. J., which will occur May 29th and 30th. Many daughters of Johanna De Kol 2d's Lad, thirty daughters of Judge Hengerveld De Kol, granddaughters of King of the Pontiacs, etc.

See announcement of the New England Breeders' Sale, May 27. Here are the consignors: G. F. Gregory, J. W. Prentiss, J. H. D. Whitcomb, F. P. Knowles, H. S. Cheney, M. T. Carrigan, Dudley P. Rogers, C. W. Ball, W. P. Turner and Dorand Bros. These breeders should be the highest guarantee for the character and success of the sale.

The United Breeders' Association, Wyalusing, Pa., G. M. Lyon, secretary, offers King Korndyke Hengerveld Veeman, born December, 1911. His sire is Sir Korndyke Pontiac Artis, and his dam Victoria De Kol Hengerveld Veeman, a 24-lb. three-year-old, with two sisters that average 30 lbs. as four-year-olds. He is all bull and a yard wide.

The Woodcrest-Oakland Sale of 90 head from two of the leadings herds of the country will be held May 28, at Woodcrest Farm, Rifton, N. Y. Two world record heifers will be sold Tirania Lady Aouda 5th A, and Woodcrest Colantha Pietje. See the cut of the former of these in this issue of the World. Many of these offerings are in calf to King Walker, whose cut is also presented in this number.

Harry D. Wheeler, proprietor of Country Life Farm, West Winfield, N. Y., has within the past three months tested sixteen heifers, whose

THE SECOND ANNUAL

Woodcrest-Oakland Sale

90 HEAD---MAY 28, 1913

—AT—

Woodcrest Farm, Rifton, N. Y.

The complete number of entries for this sale is not yet in our hands. Among those already received are some of the greatest young cows and heifers of the breed, including at least

TWO WOLRD'S RECORD HEIFERS

1. Tirania Lady Aouda 5th A. At 3 years, 2 months (with first calf), 32.30. This is the world's record for a heifer with her first calf. She is making a proportionately large 30-day record. She was from a 29-lb. dam, and by King Walker, whose two nearest dams were both 30-lb. cows.
2. Woodcrest Colantha Pietje (20.44 lb. at 23 months), who has just completed a semi-official year's record of 20,859.7 lb. milk; 799.43 lb. butter. The butter record is the largest ever made by a heifer under 2 years old, while the milk record surpasses every previous mark for a heifer in the junior 2-year-old class. She was sired by a son of Colantha 4th's Johanna, and from a daughter of Pietje 22d's Woodcrest Lad and Ina Woodcrest De Kol, whose years' records and those of her four daughters average over 800 lb. butter and over 19,000 lb. milk.

N. B.—A large proportion of the Woodcrest offerings are in calf by King Walker, the sire of the 32-lb. heifer, and nearly all of them are closely related to the second heifer, Woodcrest Colantha Pietje—the only junior 2-year-old that has ever produced 20,000 lb. milk in a year.

Woodcrest Farm, Rifton, N. Y. **Oakland Farm, Weedsport, N. Y.**

PLACE OF SALE—Rifton, N. Y. (R. R. Station, Rosendale, on Wallkill Branch of West Shore R. R., leaving main line at Kingston.

E. M. HASTINGS, Sale Manager, Lacona, N. Y.

average age is three years, and five months, and whose average test is 18.894 lbs. This is a remarkable showing, the point, however, is that you can get a son of one of these heifers, sired by the son of a 30-lb. cow, for a nominal price. These heifers are bound to increase their records and a son purchased now will rapidly appreciate in value.

COMMITTEE APPOINTMENTS OF NATIONAL DAIRY INSTRUCTORS' ASSOCIATION FOR 1913.

Editor H.-F. World:

I am attaching herewith a list of the committee appointments for the National Dairy Instructors' Association for the year 1913. As many people will desire to be in touch with these committees, I should appreciate the publication of the same in your paper.

Dairy score card—Lane, Stocking, Weld, Kelly, Harding.

Official testing of dairy cows—Woll, Rawl, White.

Courses of instruction—Stocking, C. Larson, Trueman.

Experimental work in milk production—Eckles, Reed, Kildee.

Experimental work in dairy products—Thom, Lee, Washburn.

Standards for dairy products—Mortensen, Washburn, C. W. Larson.

Official methods of testing milk and cream for butterfat—Hunziker, Shaw, Woll, Rudnick.

Official method of testing butter for butterfat—Mills, Guthrie, Hepburn.

Legal Minimum of butterfat in butter—Webster, Van Slyke, Fryhofer, Lee, Mills.

Cream grading—Frandsen, Bouska, Hines, Markham.

Extension work—Webster, Mills, Erf.

Judging dairy cattle—Wing, Anderson, Glover, Forbes.

Judging dairy products—Lee, Weld, Mortensen.

Graduate Scholarships—Stocking, Eckles, Harding.

Scholarships for students' judging contests—Rawl, Fraser, Kildee, Forbes, Van Norman.

Relation to breed associations—Eckles, Wing, Van Norman.

Milk standards—Rasmussen, Weld, Foss.

International Dairy congress—Rawl, Hunziker, Webster.

J. H. FRANDSEN,
President.

W. A. STOCKING, Sec.

QUARTERLY MEETING OF THE ST. LAWRENCE COUNTY H.-F. BREEDERS' ASSOCIATION.

Condensed from a report by H. Mason Knox.

The St. Lawrence County Breeders' Club held a two-session quarterly meeting on March 12th. Upwards of 50 were present, President Daniels in the chair. The per capita yield of the dairies of the county was discussed. It was pointed out that the per capita gain for the last decade had been very slight. One explanation was a lack of knowledge of what individual cows in the different herds were producing, and it was suggested that factorymen might do much to improve this condition by publishing on a bulletin board the average yield from month to month of their patrons' dairies. Another explanation of low per capita yield was found in the manner of renting farms. It was stated that many farms were rented at a stipulated price per cow and that the farms were overstocked with poor cows. The question of the benefits of cow-testing associations came up, and it was the opinion that they had failed to come up to expectations. The failure was believed to result from the lack of publicity. The re-

The Date of Todd's (Semi-Annual) Inter-state Consignment Sale is

May 20th, 1913

at Trenton, New Jersey

About 75 head of Holstein-Friesian cattle will be sold at this sale, and I can say that this is the best lot of cattle that I have yet offered at Public Auction. I solicit your patronage.

Among the consignors are: A. A. Cortelyou, Somerville, N. J.; Willis E. Stryker, Belle Mead, N. J.; Bernhard Meyer, Finderne, N. J.; Alvin Hill, Ringoes, N. J.; L. E. Opie, Skillman, N. J.; E. B. Bergen, Harlingen, N. J.; H. DeWitt Terhune, Belle Mead, N. J., and others. Address

JACOB TODD, Jr., Sale Manager, **Somerville, New Jersey**

Send for Catalogue *You ought to know us*

VANDERVOORT'S QUALITY SALE

at WHITE CITY STOCK FARM, SIDNEY, N. Y.

MAY 23, 1913

Watch for our full page add in the Eastern Edition, May 10th, 1913

Ed. A. Vandervoort

Brookside Service Bulls

King of the Pontiacs, "The bull without a match."

Spring Farm King Pontiac. Son of King of the Pontiacs and Tweede White Lady, 37.45 lbs. butter in 7 days, 274.2 lbs. in 60 days. Three-quarter brother to the world's champion cow.

King Korndyke Hengerveld Ormsby. Son of Pietertje Maid Ormsby, 35.56 lbs. butter in 7 days, 145.66 lbs. in 30 days, one of the greatest show cows and producers living. She made a world's record at three years old and another at full age.

"It." Son of King Korndyke Hengerveld Ormsby and Pontiac Clothilde De Kol 2d, 37.21 lbs. butter in 7 days, 1261.9 lbs. in a year. The dam and sire's dam of "It," each made world's records.

King Pontiac Artis, by King of the Pontiacs from Pontiac Artis, 31.7 lbs. butter in seven days, 1076.9 lbs. in a year, one of the best daughters of Hengerveld De Kol. An unexcelled combination of producing blood.

No other herd ever approached the quality of these sires. Yet our prices are reasonable. Come and look us over. In the 1913 June Sale, cows and heifers bred to the above bulls will be sold at your own prices. Can you afford to stay away?

STEVENS BROTHERS CO.

Liverpool, :-: *New York*

Breeders of Champions and of Sires of Champions.

THE NEW ENGLAND BREEDERS' SALE

No part of the United States can put up for a sale better Holstein-Friesians than New England affords. A goodly proportion of the great record cattle of this breed trace their ancestry back to New England origin—as do many of our people who boast of a proud family heritage. The phrase "Good New England Stock" is accepted without argument. New England stock averages good.

The animals to be offered in The New England Breeders' Sale, at Worcester, Mass., May 27, 1913, will be representative of New England breeding. The contributors are breeders of known reputation, who for this first great annual New England Sale have selected the cattle by which their future sales will be judged.

The New England Sale is a Breeders' Sale.

Following is a list of some of the offerings:

Consigned by G. F. Gregory, Dummerston, Vt.

Seven daughters and a son of the splendid young sire, Admiral Walker Gelsche. A daughter of King Segis. A daughter of Pietje 22d's Woodcrest Lad. Granddaughters of Aaggie Cornucopia Johanna Lad and De Kol 2d's Butter Boy 3d.

Consigned by J. W. Prentiss & Son, Alstead, N. H.

A daughter of Duchess Ormsby Butter King. A yearling son of Paul Beets Colantha, from a 26.8 lb. 4-year-old daughter of a 23-lb. cow. A granddaughter of the $5,000.00 bull, Pietertje Hengerveld Segis.

Consigned by J. H. D. Whitcomb, Littleton, Mass.

Two good record daughters of Colantha Johanna Lad, three of whose daughters are now engaged in breaking world's records. A granddaughter of Duchess Ormsby Butter King.

Consigned by F. P. Knowles, Auburn, Mass.

Three daughters of King Segis Pontiac 3d. One daughter of Korndyke Queen De Kol Butter Boy. Granddaughters of De Kol 2d's Butter Boy 3d, Aaggie Cornucopia Johanna Lad, Sarcastic Lad, Piebe De Kol Burke, Beryl Wayne's Paul De Kol, and other good ones.

Consigned by H. S. Cheney, Southbridge, Mass.

Two daughters of King Segis of Oak Knoll, who was by King Segis. Five daughters and a son of Prince Burke Pontiac, who was by a son of Hengerveld De Kol and from a 21-lb. dam.

Consigned by M. T. Carrigan, Concord, Mass.

A son of Sir Korndyke Pontiac Artis. A daughter of Korndyke Queen De Kol Butter Boy. Four daughters of Aaggie Cornucopia 3d's Count. A daughter of King Pontiac Fundaella, who was by King of the Pontiacs. The 25-lb. cow, Lady Dora Korndyke De Kol, and two of her daughters, one a 21-lb. cow. A son of the great show bull, Hengerveld Soldene De Kol, from an 18-lb. 10-year-old.

Consigned by Dudley P. Rogers, Danvers, Mass.

A son of Pietje Ormsby Burke, from a 23-lb. cow that has a 33-lb. daughter. A daughter of Dutchland Colantha Sir Johanna, whose two nearest dams average over 31 lb. A daughter of Orrville Mildred Soldene Pontiac.

Consigned by C. W. Ball, Holyoke, Mass.

Six daughters of Williams Farm Melame Boy. A son of King Prilly Segis.

Consigned by W. P. Turner, North Reading, Mass.

A 20-lb. daughter of a 23-lb. cow. Her daughter, by the show bull, Hengerveld Soldene De Kol. A daughter of Netherland Prescott Johanna. A daughter of Colantha Korndyke Prince, who was by Korndyke Queen De Kol Butter Boy, and from a daughter of Colantha Johanna Lad.

Consigned by Dorand Bros., Chester, Vt.

A daughter of Aaggie Cornucopia 3d's Count. A daughter of Netherland Prescott Johanna. Granddaughters of Pietertje Hengerveld's Count De Kol and Hengerveld Burke De Kol, who was by Hengerveld De Kol and from a 32-lb. dam.

For catalog (ready May 10), or other information relating to the sale, address the Sale Manager, E. M. Hastings, Lacona, N. Y.

N. B.—When writing please mention the Wold, and state whether or not you expect to attend the Sale.

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sults of the tests had not been published. Neither those who were making a success nor their methods were made public for the benefit of the unsuccessful.

The question of the time of holding the meetings of the association was discussed and it was agreed that better results might be attained by holding the meetings in the winter months when the members had more leisure to attend. Messrs. Dollar, Tracy and Ames, were appointed a committee to change the by-laws of the association, permitting the meetings to be held during the winter months, and to arrange for time and place of next meeting.

Mr. E. H. Dollar, president of the New York State Dairymen's Association was introduced and spoke upon the legislation now being enacted at Albany, having to do with the dairymen's interests. He took up the tuberculosis problem, the measure taxing commercial feed stuffs and the Seely bill regulating the sales of milk. He thought no action would be taken on the two first mentioned questions, and that the Seely bill should be vigorously opposed.

Mr. Dollar diverted to the subject of development of dairies. He thought the first essential was the finding out what each cow was doing. He cited a neighbor who was making $154 per head for his entire dairy. This man advertised two cows for sale, stating that they had given 7200 lbs. of milk the preceding year. Another neighbor desiring to purchase asked why he wished to sell so good cows. The reply was that they were the two poorest cows in his herd. The enquiring neighbor made the purchase because they were better than anything he then had in his herd. Success in dairying is a matter of information and education.

Mr. Knox gave an account of visits he had made to some of the leading herds of the state. Among those discussed were The White City Stock Farm, E. H. Vandervort, proprietor, Sidney, N. Y., the Hamilton Stock Farm, A. A. Hartshorn, proprietor,

Attend this Sale, May 24 at Sidney, N. Y.

The Tri-County Holstein-Friesian Breeders' Association, First Annual Sale

Over 100 Head of High-Class Animals to be Sold

Here is a great chance to buy at your own price and from herds of fine reputation

E. M. Hastings, Sales Manager COL. KELLEY / COL. HAEGER } Auctioneers

Catalogue ready May 1st. Address

DUNHAM BROS. **Bainbridge, New York**

MUST SELL 5 YOUNG HOLSTEIN-FRIESIANS

with records of 20 lbs. to 24 1-2 lbs. Some with 30-lb. cows in their pedigrees. All well bred and good ones

MAX MILLER

Oak Hill Farm *Herkimer, N. Y.*

1½ miles from station

and Brothertown Stock Farm, Q. McAdam, proprietor, Utica, N. Y.

At the evening session Assistant Commissioner of Agriculture, Richardson, gave an address, discussing the present dairy methods as compared with 17 years ago, when he first took up dairy work. He spoke of the strong Western competition and the necessity of using the most advanced methods and persistent efforts along all lines to retain supremacy.

Mr. De Christian sang a solo and responded to an encore.

Mr. Charles Phelps, farm bureau agent of the county, spoke at some length on the subject of improvement of farm conditions. After a discussion a motion was adopted to join the Farm Bureau Association.

Meeting was adjourned to the call of the special committee.

THE HOLSTEIN-FRIESIAN COW.

(Continued from page 320.)

"If a man wants to make his feed last he should get a smaller cow than the Holstein-Friesian. Our Jersey friends claim that their cows are the most economical dairy cattle in the sense that they will convert a dollar's worth of feed into more money than a Holstein-Friesian. In this they are right, but in this line a milk goat will beat a Jersey cow to a frazzle. Why? Because the goat is the smaller dairy animal just as the Jersey is smaller than the Holstein-Friesian. But if a Jersey or a Guernsey produces more money from a dollar's worth of feed, is she not the more profitable animal? By no means. Suppose a man has a small cow, and a large one. After each eats $21 worth of feed the small cow has returned $54 and the large one but $42. The small is then $3 ahead, is she not? But suppose the small cow requires four months to eat the $21 worth of feed and the large cow only three months, and that the owner pays out $7 more for feed which she turns into $14 in cash. Then at the end of four months the large cow has eaten $28 worth of feed and returned in cash $56 or a net profit of $28 while the small cow has eaten $21 worth of feed and returned $45 in cash, or a net profit of $24, which is $4 less net profit than the large cow made."

Here again we have a forceful illustration of the fallacy of per cent profit over net profit. The large cow ate $28 worth of feed and returned $56 in cash or just 100 per cent. The small cow ate $21 worth of feed and returned $45 in cash and a net profit of $24 or 114.2 per cent. The cow that gave $4 more net profit gave 14.2 per cent less profit. Reader, do you believe it?

Now I will take up the economical production in my own way. Suppose I have a little Jersey or Guernsey cow and a big Holstein-Friesian. The little cow produces butter at a cost of 10 cents per pound, and the Holstein-Friesian at a cost of 12 cents. From this you might conclude that, other things being equal, the little cow would be the better one. Suppose the little cow produces 350 pounds a year. Her feed cost would then be $35, would it not? Suppose you sold the butter at 30 cents per pound—$105. Subtract the feed cost —$35—and you have left $70 net profit. The Holstein-Friesian produces 500 pounds of butter per year at a cost of 12 cents per pound; her feed then would cost $60. At 30 cents per pound her butter would bring $150. Subtract $60—the feed cost—and we have $90 net profit. Do I need to say more? Are not the figures correct? The great superiority of the Holstein-Friesian has forced the owners of lit

THE GREENWOOD HERD

Has young bulls to offer, sired by King Lyons Spofford, 3 of his nearest dams averaging 31.9 lbs. butter in 7 days, and King Lunde Pontiac Korndyke. He is a brother to K. P. Manor Kate and his dam, Lunde Korndyke produced 26192.7 lbs. milk and 1090.91 lbs. butter in 1 year in semi-official test. This great cow produced in her official test 10191 lbs. milk in 100 days. Her sire is a son of Korndyke Queen De Kol, sister to Pontiac Korndyke.

These young bulls are backed by the greatest blood lines of the breed, which include 26 of the 30-lb. records. They are choice specimens of the breed, one of which has 10 of his nearest dams that average 28.28 lbs. butter in 7 days, with his dam at 24.01 at 3 years, 8 days. We are looking for a much higher record as a four-year-old the last of March.

If interested in high class young cows or bulls write for pedigree to

E. H. Knapp & Son,

FABIUS, New York

P. S.—Of the first 15 calves from our herd by King Lunde Pontiac Korndyke, 11 are heifers. He now has 25 daughters at 2 years, 10 months old, and we have 38 cows and heifers in calf to him and 26 more to be bred. (tf)

tle cows to do some queer 'stunts" in figuring.

In seven-day tests, in 14-day tests, in 30-day tests, in 60-day tests, in 120-day tests, and in yearly tests the Holstein-Friesian cow stands far in the lead. Before the Holstein-Friesian breeders began making yearly tests the Jersey and Guernsey people sat on the fence and said that our cows were sprinters, good only for short runs. Well, we showed them that when it came to a full year we could beat them to a finish. The Holstein-Friesians are over 100 pounds of butter fat ahead of any of the small cows. Look up the records of Jersey or Guernsey cows and see how many ever made 25 pounds of butter in one week. In looking at the records of Pontiac Korndyke, the great Holstein-Friesian bull that died a short time ago, I find that 25 of his daughters made over 25 pounds of butter in seven days and 1,271 pounds in one year. No Jersey or Guernsey ever came near that mark.

Now how about milk? Under a state experiment station test a Holstein-Friesian has produced over 29,000 pounds in one year. A large number have produced from 20,000 to 25,000 pounds in a year. Last year Wisconsin closed a yearly contest with all breeds competing. What was the result? The Holstein-Friesians won first, also first and second in the best 10-cow contest. In that test there were 158 Guernseys, 157 Holstein-Friesians, and 80 Jerseys. The Holstein-Friesians made an average net profit of $12.69 more than the Guernseys, and $14.21 more than the Jerseys. In the second Iowa cow contest, which closed November, 1912, 49 Holstein-Friesians completed the year

C. F. HUNT'S 13TH ANNUAL SALE, SYRACUSE, APRIL 22, 23 and 24.

Report of Sales up to 3:30 o'clock of the Second Day.

Consigned by Pleasant Valley Stock Farms, Oran, N. Y.

King Hengerveld Segis 5th, male, 2 yr., Sam Werren, No. Benton, O.	$180
Maplegrove Rag Apple Korndyke, male, 2 yr., K. L. Goldsmith, Port Gibson, N. Y.	105
King Pontiac Fayne, male, 1 yr., L. L. Freeborn, New Woodstock, N. Y.	400
Beauty Paul Pietertje, 9 yr., D. E. Carley, Manlius, N. Y.	170
Ida Johanna Hartog, 6 yr., Sam Werren	175
Segis D. K. 2d Prilly, 4 yr., K. L. Goldsmith	185
Yanky Pauline Prilly, 4 yr., K. L. Goldsmith	205
Daisy Tirania Hark 3rd, 5 yr., L. L. Lawson, La Grangeville, N. Y.	215
Una Mercedes, 7 yr., Sam Werren	170
Full sister to above, Same Werren	200
Regis D. K. Friend 3rd, 2 yr., D. E. Carley	170
Yearling heifer, Sam Werren	185
Otsego Jessie Korndyke, 3 yr., C. D. Fortnam, Tyler Hill, Pa.	150
Topsy Pontiac King, male, 1 yr., H. W. Shugart, Carlisle, Pa.	155
Pauline Empress D. K., 10 yr., Geo. T. Hubble, Warner, N. Y.	125
Prince Rag Apple Korndyke 2d, male calf, E. A. Powell, Syracuse, N. Y.	70
Katrina Ormsby Beets, 1 yr., C. F. Corey, Pennellville, N. Y.	230
May Ormsby Korndyke, 1 yr., C. F. Corey	205
Netherland Pauline Mechthilde, 13 yr., Elmer Hitchcock, New Woodstock, N. Y.	125
Maida Jessie Netherland, 1 yr., C. F. Corey	160
Yearling heifer, T. H. Russell, Geneva, O.	225
Jean Russell Burke, H. C., Sam Werren	200
Pontiac Empress Jewel, H. C., Stevens Bros. Co., Liverpool, N. Y.	460
Wanda Clothilde D. K., 7 yr., T. H. Russell	300
Maida Wanda, 3 yr., R. D. Lee, Cazenovia, N. Y.	200
Maida Jessie Wanda, 1 yr., T. H. Russell	250
Maida Clothilde Wanda, H. C., R. D. Lee	205
Rag Apple Maida Wanda, 1 yr., T. H. Russell	275
Rag Apple Maida Mechthilde, 1 yr., T. H. Russell	275
Bull calf, E. A. Powell	30
Rag Apple Maida Gold Coin, 1 yr., T. H. Russell	275
Bull calf, E. A. Powell	40
Rag Apple Maida Netherland, H. C., R. D. Lee	180
Rag Apple Maida Esther, H. C., R. D. Lee	125
Hark King Pontiac, 3yr., A. B. Dickinson, Lake Geneva, Wis.	355
Tirania King Pontiac, 3 yr., Geo. T. Hubble	340
Pauline Topsy King Pontiac, 2 yr., H. W. Shughart	280
Daisy Hark King Pontiac, 3 yr., Geo. T. Hubble	305
Hark Daisy King Pontiac, 2 yr., G. T. Hubble	305
Clothilde King Pontiac, 3 yr., G. T. Hubble	250
D. K. Ursula King Pontiac, 2 yr., H. A. Nail, Cortland, N. Y.	375
Gipsy Walker Johanna Korndyke, 1 yr., A. B. Dickinson	230
Prince Butter Boy Johanna 5th, male, 3 yr., H. C. Glissman, Omaha, Neb.	115
Male calf, F. Buzard, St. Joseph, Mo.	115

Consigned by S. R. & R. R. Clark, Onondaga Valley, N. Y.

Heifer calf, H. G. Glissmann	85
Johanna Goudgeld, 4 yr., H. R. Dorn & Son, Verona, N. Y.	205
Heifer calf, H. R. Dorn & Son	80
Fly Brook Johanna Goudgeld, 3 yr., Sam Werren	185
Heifer calf, S. R. Clark	60

BRILL HERD

Superior individuals—Show animals, that have won highest honors in the show ring. Many world records and all the great families are represented in this herd. We are now offering a few very choice bull calves. Buy this kind and you will have no trouble to sell their produce. Write for pedigrees and prices.

E. C. BRILL, - - Warren Co., Stewartsville, New Jersey

A BUSINESS HERD

We have ninety head of females headed by the splendid young sire, Ormsby Korndyke Lad, who was sired by the $7,500 bull, King Korndyke Hengerveld Ormsby, and from the great 34-lb. cow, Polly Posch. His two nearest dams have records averaging 35.09 lbs. He won First Prize this fall as a 2-year-old at the Trenton Fair.

Eleven of our cows and heifers are in semi-official yearly test, and will complete their records from February to May. All heifers tested thus far have produced over 500 lbs. butter in the year.

Our heifer, Pearl De Kol Tula, a junior 2-year-old daughter of Pearl of the Dairy's Joe De Kol (whose three daughters in the Dairymen's Sale averaged $557.), produced 757.3 lbs. butter, 16,584.7 lbs. milk in a year.

The buyer of the future is going to demand semi-official yearly record backing. A bull calf from our herd will put you in line to help supply this demand.

Nothing for sale just at present.

EZRA HOLBERT, Lake, N. Y.

P. S.—We have a grand lot of semi-officially tested cows, due right away, from which you can select your future herd sire. Orders will now be booked for January delivery.

CRUMHORN STOCK FARMS

OFFER GRANDSONS OF

Hengerveld DeKol *and* King of the Pontiacs

by JUDGE HENGERVELD DE KOL, the best bred son of Hengerveld De Kol, and whose daughters are deep, persistent milkers testing over 4% butter fat; out of A. R. O. cows now in test. Correspondence and inspection solicited.

Buy a young bull and let him grow into money for you.

JAMES M. ANDERSON, Proprietor, Pompton Plains, N. J.

F. RAYCRAFT, Manager

FINDERNE STOCK FARMS

Home of World's Champion Cows---Records for 1912

Valdessa Scott 2d is the first cow in the world that ever made over 40 lbs. butter in 7 days. She broke both the 7 and 30-day world's records by big margins. Her official records are, 41.875 lbs. butter from 695.1 lbs. milk, 4.84% fat. No cow living or dead, ever made within a half-pound of butter per day of this record. Her 30-day record is 164.27 lbs. butter from 2933.9 lbs. milk, 4.48% fat.

Name.	Butter	Milk	% fat	Days	Butter	Milk	% fat	Days
Finderne Pietertje Johanna	35.103	637.9	4.40	7 (Jr. 3-yr)	141.90	2725.9	4.16	30
Wachusett May, 4 yr., 4 mo.	34.08	621.5	4.37	7	134.46	2689.5	3.99	30
					257.80	2536.5	3.94	60
Pauline Alexis, 10 yr. old	32.155	635.5	4.07	7	128.22	2629.8	3.99	30
					237.43	5235.0	3.63	60
Finderne Pride Johanna Rue,	31.16	607.6	4.09	7 (Jr. 3-yr)	121.45	2535.4	3.83	30
Finderne Pontiac Netherland	28.26	567.5	3.98	7 (Jr. 2-yr.)	110.72	2329.4	3.80	30
Finderne Wayne Pontiac	25.69	462.6	4.42	7 (Jr. 2-yr.)	98.41	1959.6	3.99	30
Valdessa Ormsby	24.29	499.3	3.91	7 (3 years)	97.19	2018.9	3.87	30
Valdessa Ormsby De Kol	23.71	455.8	4.17	7 Jr. 2 year)	92.19	1848.9	3.99	30

There are also many more cows here that have made very fine records.

We have a few bulls from high record cows for sale. For prices and pedigrees, address,

Bernhard Meyer, Finderne, Somerset Co., N. J.

and only eight Jerseys entered the contest. The Guernsey people saw the sign on the wall and kept out.

One breeder entered 10 Holstein-Friesian cows in that contest, three of which received credits of over 1,000 pounds of butter each for the year, and the whole 10 made an average of 913,7 pounds. The average production for the 49 Holstein-Friesians entered was 536.02 pounds of butter. The eight Jerseys entered, averaged 417.17 pounds of butter.

Now, Mr. Editor, I could go on citing facts and figures to fill the whole paper, but I have proved my case. I know I have a most intelligent class of readers to set my case before. Why should anyone on a good productive farm wish any other cow than the Holstein-Friesian? They are big. No cows on earth are their equals in storing away in their big paunches the coarse feeds of the farm, and turning them into money. On an average they will give double the quantity of three to three and a half per cent milk that either the Jerseys or Guernseys will give of five per cent milk. This being so, only one-half so many cows are needed to get milk for the pigs, or if the same number of cows are kept then twice the number of pigs can be raised.

The Holstein-Friesians will eat more silage and hay and less grain to produce one pound of fat than will either the Jersey or Guernsey. Silage and hay are relatively cheap feeds in Iowa, Nebraska, Minnesota, and the Dakotas, and grain is relatively high. In other words, the Holstein-Friesian cow will convert larger amounts of the rough feeds into cash than any other cow that I know of. She is strong and vigorous and needs no babying. She is a persistent milker, keeping everlastingly at it. She has a big udder and good teats. She is a hearty eater, and never minces her feed. Her calves are vigorous at birth and easily taught to drink. Being large, when her milking days are over, she fattens quickly and sells for good money. In every dairy region Holstein-Friesians are supplanting all other breeds, and this is true whether they are kept for milk or butter. In Iowa at one time Jerseys predominated; now the Holstein-Friesians are taking first place. In south central Minnesota Guernseys once predominated; now few are left, but there are thousands of Holstein-Friesians. Why? Because farmers have found them to be the best. Again, I repeat, the Holstein-Friesian is the greatest producer of milk, butter and cheese and produces these articles at a greater net profit than any other breed.

CEDAR DELL HERD

offers a bull born Feb. 13, 1913. Sire—Sir Johanna Lady Korndyke, whose dam is Pontiac Lady Korndyke, 38.03 lbs. of butter in 7 days and 156.93 lbs. in 30 days. Dam of calf has a record of 19.43 lbs. at 3 years, 4 days. Calf is more black than white. No. 2, born Jan. 27, 1913; sired by a son of a 30-lb. cow and out of a 20.58-lb. cow. Very light in color. Write for pedigrees and prices.

J. A. McGREGOR, Hammond, N. Y.

Johanna Ormsby Burke, 7 yr., L. L. Lawson	210
Hazel Pohlcrest, 8 yr., K. L. Goldsmith	235
Male calf, A. D. Warren, De Ruyter, N. Y.	125
Aaggie Koningen Pontiac, 3 yr., Sam Werren	200
Sadie Westview De Spofford 3d, 2 yr., E. D. Chapman, Syracuse, N. Y.	125
Bull calf, W. H. Mace, Homer, N. Y.	30
Alga Johanna Lad 2d, 5 yr., T. H. Russell	230
Countess Heeringa Olga Mercedes, 3 yr., J. E. George, Sudlersville, Md.	305
Heifer calf, C. F. Hunt	130
Countess Twisk, 4 yr., W. H. Mace	270
Consigned by J. H. Mead & Son, West Rutland, Vt.	
Korndyke Queen D. K. Lady 3rd, 2 yr., Sam Werren	165
Dieuwke Stiensma 2d Korndyke, 3 yr., C. F. Hunt	150
Imperial Pontiac Korndyke, male, 6 yr., T. H. Russell	800
Male calf, Elmer Hitchcock	85
Wilhelma Pietertje Korndyke, 3 yr., S. P. Hooker, LeRoy, N. Y.	160
Belle Withoorn Korndyke, 2 yr., T. H. Russell	200
Male calf, E. A. Powell	110
Consigned by M. L. Thomas Est., Rutland, Vt.	
Clothilde D. K. Genesta, 9 yr., A. D. Fortnam	175
Lily Echo Clothilde D. K., 4 yr., Sam Werren	165
Fenna Z. 2d Beauty, 3 yr., G. F. Chesbro, Pennellville, N. Y.	210
Beauty Clothilde Hengerveld D. K., 4 yr., Sam Werren	190
Belle Nosnip Alexande D. K. 2d, 3 yr., G. F. Chesbro	150
Cedardale Pontiac Korndyke, 4 yr., male, S. P. Hooker	150
Owasso Pietertje D. K., 8 yr., V. J. Smith, Rome, N. Y.	175
Consigned by E. J. Schoonmaker, Kyserike, N. Y.	
Paula Parthenea Mercedes, 10 yr., Sam Werren	110
Susie Cornwall, 8 yr., H. C. Glissmann	145
Woodcrest Charm D. K., 2d, 3 yr., H. W. Shughart	180
Calamity Woodcrest D. K., 2 yr., Elmer Hitchcock	160
Johanna Aaggie Zozo D. K., H. C., R. D. Lee	105
Luzette Pietertje D. K., 1 yr., Sam Werren	145
Consigned by Jabez Smith, Newark Valley, N. Y.	
Roella Netherland Wayne 2d, 3 yr., Sam Werren	165
Fransje Maid 2d, 8 yr., H. W. Shughart	210
Carelsen Mechthilde, 5 yr., H. W. Shughart	185
Lady White Spring, 3 yr., H. W. Shughart	190
Mechthilde Artis 2d, 6 yr., D. E. Carley	145
Govers Brookside, 6 yr., K. L. Goldsmith	175
Consigned by A. R. Owen, Goshen, N. Y.	
Pauline Rooker Clothilde, 9 yr., C. D. Fortnam	95
Vale Hamilton Sadie, 8 yr., Sam Werren	120
Heifer calf, S. R. Clark	100
Heifer calf, R. D. Lee	155
Sir Lieuwkje Korndyke Kate D. K., 1 yr., W. E. Fellows, Flint, Mich.	400
Koboca Netherland D. K., 11 yr., M. J. Cuddy, Auburn, N. Y.	110
Woodcrest Aaggie Lad, 3 yr., W. A. Shaw, Ont.	275
Heifer calf, T. H. Russell	90
Consigned by D. E. Carley, Manlius, N. Y.	
Salzone D. K., 9 yr., C. B. Fortnam	130
Johanna Somerset D. K., and male calf, 11 yr., A. R. Fairbanks, De Ruyter, N. Y.	145
Segis Pontiac Belle, 5 yr., Sam Werren	100
Jewel Lorena Fayne D. K., 1 yr., Sam Werren	165
Consigned by H. D. Crossman, Weedsport, N. Y.	
Heifer calf of Wandagelsche Posthan, R. M. Stone, Marcellus, N. Y.	90
Heifer calf of Upland Beauty Burke, W. Rutherford, Allamuchy, N. J.	80
Princess Fytje Burke, 1 yr., T. H. Russell	140
Sir Homestead Girl Burke, 2 yr., F. Buzard	125
Consigned by Crossman & Backman, Weedsport, N. Y.	
Pauline D. K. Artis 3d, 4 yr., C. D. Fortnam	120
Felecia 4th's Alba 2d, 8 yr., C. D. Fortnam	125
Alta Clyde D. K. and male calf, 6 yr., Richard Hicks, Auburn, N. Y.	125
Urmagelsche 4th's Clyde, 6 yr., H. C. Glissmann	140
Gelsche De Clyde, 6 yr., G. F. Chesbro	280
Gelsche Maid De Clyde, 6 yr., T. H. Russell	335
Male calf, E. A. Powell	70
Consigned by F. W. Scott, Granville, N. Y.	
Briar Abbekerk, 2 yr., A. B. Dickinson	200
Netherland D. K. Changeling, 3 yr., H. C. Glissmann	220
Briar Korndyke Pietje D. K., 1 yr., male, A. B. Dickinson	100
Briar Aaggie Jewel, 3 yr., W. H. Mace	230
Briar Korndyke Hartog D. K., male, 1 yr., Sam Werren	165
Hillside Hengerveld D. K., Rebecca, 3 yr., T. H. Russell	300
Briar Friesland D. K. Korndyke, male, 2 yr., W. E. Titus, Willet, N. Y.	120
At 3:30 o'clock, Wednesday, 115 head had brought	$21,505
An average of	$187

Breeders' Bulletin Board

PONTIAC CANARY ALTOANA.

A recent sale from Maplehurst farms was a yearling bull to Mr. Frank E. Rounds of Carbon, Ind.

Pontiac Canary Altoana 104605, was sired by King Pontiac Canary 78766, a brother to Spring Farm Pontiac Lass, A. R. O. 44.15, the new world's champion cow that was recently sold for $10,000. His sire, King of the Pontiacs, has 80 A. R. O. daughters, including Spring Farm Pontiac Lass, 44.15; K. P. Metis, 31.74, world's champion, junior three-year-old; K. P. Lady, 30.56 at 4 years; K. P. Alcartra, 30.81, senior three-year-old, and many others with great records for age. Pontiac Korndyke, the sire of King of the Pontiacs has more daughters with records of 30 lbs. or better than any bull of the breed.

Canary Altoana Beryl, the dam of Pontiac Canary Altoana, made 19.23 lbs. at 3 years, 2 months. Her dam, Altoana De Kol Beryl, has an A. R. O. of 25.21 lbs. butter in 7 days and an average milk production of over 80 lbs. of milk for 60 days. She is a three-fourth sister to Lilith Altoana De Kol, 33.60, the world's record for three-year-old, also Lilith Altoana, who has just completed her seven-day record of 29.11 lbs. after giving birth to twin calves. We consider this a great record for a cow which freshened under these conditions.

We consider Mr. Rounds fortunate in securing a bull of such breeding.

LAMB & LANGWORTHY,
East Hamilton, N. Y.

TODD'S INTER-STATE SALE MAY 20TH.

It would cause some people to become somewhat disturbed if, after claiming a date for a public auction, to have their neighbor advertise a sale on the same date; this has happened to us, but after using the wires across country, we have arranged to have the date of Todd's Interstate Consignment Sale of Holstein-Friesian Cattle, changed to May 20, 1913, at Trenton, N. J. At which time about 75 head of tuberculin-tested Holstein-Friesian cattle will be sold; this, without a doubt will be the best lot that I have yet offered at public auction.

Col. Kelley of Syracuse, N. Y., will conduct the sale, as auctioneer, and we hope to see all of our old friends and customers at this sale, and many new ones.

We hope to have catalog ready to mail about May 15. Address,

JACOB TODD, Jr., Sale Mgr.,
Somerville, N. J.

A THOUSAND DOLLARS WELL INVESTED.

Edward Dwyer of Schaghticoke, N. Y., and Arthur Wyatt of Buskirk's Bridge, N. Y., are two well known Holstein-Friesian breeders who reside near each other. They decided between themselves that it would be better for them to combine finances and purchase as good a bull as they could get for $1,000, than it would to each own a bull and not get as good a one. After trips to Massachusetts,

MILANHURST DISPERSION SALE, MILAN, PA., APRIL 16, 1913.

Forty-six head brought $12,010, an average above $261.

King Pontiac Alcartra, male, 1 yr., G. M. Welles & Son, Elmira, N. Y.	$1175
Milanhurst Abbekerk, male, Gilfoyl Bros., Ulster, Pa.	65
Mooie Fayne Aaggie, male, J. B. McDuffee, Wilawana, Pa.	275
Aaggie Purity De Jong, 8 yr., Otto Pethick, Milanville, Pa.	450
Abbie Pontiac Korndyke Veeman, 2 yr., J. A. Stanton & Son	500
Bijou D. K. 2d, 2 yr., G. W. Roy, Horseheads, N. Y.	120
Betsy Ives 2d, 6 yr., J. A. Stanton & Son	200
Clintonia Sarcastic, 4 yr., J. A. Stanton & Son, New Woodstock, N. Y.	780
Countess Burnside 2d, 2 yr., G. M. Welles & Son	400
Fairmont Mildred Soldine, 3 yr., Jas. Morland, Corning, N. Y.	300
Grace Pietertje D. K. Korndyke, 1 yr., Tranquility Farms, Allamuchy	345
Janett Pandora Tromp, 2 yr., F. R. Allis, Wysox, Pa.	125
Johanna Calamo Korndyke, 1 yr., J. A. Stanton & Son	210
Bull, C. A. Robinson, Smithfield, Pa.	300
Korndyke Lenore Pontiac, 1 yr., Tranquility Farms, Allamuchy, N. J.	300
K. A. Johanna Queen, 1 yr., J. A. Stanton & Son	145
Maple Cove Stael, 12 yr., Oliver Cabana, Jr.,	230
Grace Segis, 3 yr., J. A. Stanton & Son	230
Mildred Soldene 2d, 2 yr., J. M. Burcher, Milanville, Pa.	280
Marydale Korndyke Pauline, 1 yr., S. D. Westlake & Son, Horseheads,	180
Marydale Korndyke Posch, 1 yr., S. D. Westlake & Son	205
Milanhurst America D. K., 2 yr., Olivar Cabana, Jr.	425
Bull, C. W. Newman, Wyalusing, Pa.	50
Nattalene Calamo Korndyke, J. A. Stanton & Son	300
Otsego Pietje Burke, 3 yr., J. A. Stanton & Son	320
Pietje Althea, 2 yr., J. M. Burcher	210
Pietje Ormsby Nancy, 2 yr., John Arfmann, Middletown, N. Y.	350
Pietje Woodcrest Korndyke, 3 yr., G. M. Welles & Son	395
Pavonia Aaggie Queen, 3 yr., Otto Pethick	275
Orchard Grove Auburn Segis, 1 yr., Olivar Cabana, Jr.	255
Orchard Grove Pietertje Segis, 1 yr., Caroline Reynders, Ulster, Pa.	195
K. A. Angelique, N. A. Miller, Williamsport, Pa.	155
K. A. Netherland D. K., Tranquility Farms	355
K. A. Marion D. K., 1 yr., J. A. Stanton & Son	220
K. A. Quaker, 1 yr., Jas. Morland	195
K. A. Terrace, T. W. Prollet, Wysox, Pa.	100
K. A. Parthenea, calf, Tranquility Farms	150
K. A. De Goede D. K., G. W. Roy	165
K. A. Queen, 1 yr., Albert Roy, Jr., Elmira, N. Y.	170
Lilith Smut Queen, 2 yr., Jacob Elston, Elmira, N. Y.	180
Heifer calf, Hurlburt Bros., Arkport, N. Y.	70
Princess Aaggy Jewel, 1 yr., Gilfoyle Bros.	110
Tame Buda, 2 yr., Siegel Bros., Williamsport, Pa.	135
Luna Lilith D. K. 2d, 2 yr., Albert Roy, Jr.,	175
Heifer calf, Gillette Bros., Rome, Pa.	90
Young Smut Lofty Queen 2d, 4 yr., Albert Roy, Jr.	150

KELNER & PELTON SALE, APRIL 2D AND 3D, LAGRANGE, OHIO.

Floyd M. Pelton Consignment.

To J. B. Henderson, Hickory, Pa.:	
Cybele Lyons De Kol No. 148225	$ 305
Heifer calf from No. 148225	105
Queen Pearlina No. 58427	200
Don De Kol's Queen, heifer calf	145
Cybele De Kol Prince, male	100
Dr. Eddy, Cleveland, Ohio:	
Cybele Butter Boy De Kol No. 143005	275
Yearling heifer	115
H. A. Welty, Apple Creek, Ohio:	
Ida Lyons De Kol Countess No. 154901	240
Lenawee Janetta No. 118595	255
Don De Kol Hatres No. 177941	175
Mr. Hashbarger, Plymouth, Mich.:	
Koningen Bessie Burr De Kol 2d No. 156196	205
Sciota Acme Hartog De Kol No. 152897	230
T. H. Russell, Geneva, Ohio:	
Austenburg Uno 3d No. 147468	270
Canary Hengerveld Pontiac No. 97439	400
Frenesta Creole Queen 2d No. 100501	250
Bordera Segis No. 183117	210
Cybele Tehee Fayne No. 177940	200
Hatres Gerster 2d De Kol No. 127969	250
Ida Lyons Tehee De Kol, heifer calf	100
Pauline Dewey Fidessa No. 148955	225
Heifer calf	175
Kukelham Bros., Decatur, Ind.:	
Lady Hatres 2d No. 110383	300
Bordera Agnes Lincoln 2d No. 112484	185
Frenesta Creole Queen 2d Betty No. 138037	375
Fanney Tehee Fayne No. 177942	210
Queen Pearlina Fayne, heifer calf	125
King Tehee Fayne Janetta, heifer calf	125
Christmas Ormsby Fayne No. 188154	200
H .Sooy, Penfield, Ohio:	
Heifer calf from No. 110383	75

Pennsylvania, Ohio, and the leading herds in New York State, they finally decided that King Segis Pontiac Corrector, was the best bargin for the money and so ordered him.

This young bull is now thirteen months old and ready for immediate heavy service. His dam is K. P. Frindaella, 25.48 lbs. butter in seven days, one of the splendid daughters of King of the Pontiacs, the greatest living Holstein-Friesian sire. Her dam and dam's dam both have creditable official records and her full sister is now in test and doing finely. She is sister to the new world's champion, 44.15 lbs. butter in seven days, 172 lbs. in thirty days, who is now on test and will, barring accident, also carry off the blue ribbon for sixty-day official butter production.

King Segis Pontiac, sire of King Segis Pontiac Corrector, is one of the greatest bred bulls in service. His sire was King Segis, of Moyerdale fame, sire of three 30-lb. cows, and his dam is our Pontiac Clothilde De Kol 2d, who has made records of over thirty pounds of butter in seven days three different years. Her records, made at six years old, of 37.31 lbs. butter in seven days, 145.29 lbs. in thirty days and 1271.6 lbs. in a year, headed the list at time of making. She was by Pontiac Korndyke from a good daughter of Hengerveld De Kol.

King Segis Pontiac Corrector is a handsome stylish fellow, colored like the four largest-record cows of the breed, symmetrical and square, showing plenty of constitution and vigor. His dam and sire's dam average 31.34 lbs. butter in official test. His grandsires are King Segis and King of the Pontiacs, who are unequaled for sires of their age, and the best producing blood of the breed flows in his veins. One of his three-quarter brothers sold for $10,000, in public auction, and another for $3,000, the two highest prices ever obtained for a Holstein-Friesian bull at public sale. He now stands at the head of two high class herds and we congratulate his owners for their judgment and enterprise.

STEVENS BROS. CO.

BULL CALF BORN NOV. 7, 1912.

Sire, Count Pontiac, his dam a 29.88-lb. junior 4-year-old daughter of Sir Veeman Hengerveld and by a son of Pontiac Artis, 31.71. Dam of calf is an 18.66-lb. 3-year-old, her dam having 22 lbs. as a 4-year-old. Write for further description and price.

WATKINS BROS., Camden, N. Y.

Individuality is the most important consideration in building up your herd. Pedigree and Records are combined with individuality in the Crumhorn Herd. For this reason the Crumhorn Dispersion (advertisement of which appears on another page) will be a good place to buy top notch cattle.

BLUE RIDGE STOCK FARM

For Sale—Holstein-Friesian bull calves from A. R. O. dams from $50 up. Let me know what you want. (tf.)

W. P. MAYHUGH, Elizabeth, Pa.

Saginaw De Kol Ykema 2d No. 188889	130
J. J. Hehr, Upper Sandusky, Ohio:	
Beauty Ethelyn Hispaniola No. 128412	75
Elnora Ormsby No. 126949	130
O. J. Whitney, Oberlin, Ohio:	
Frenesta May No. 162449	205
Lady Hatres Beauty No. 162450	205
Clint. Hauwk, Medina, Ohio:	
Princess Uno Gelsche No. 177944	175
Rauwerd Mutual De Kol No. 118524	200
Princess Rose Monk De Kol No. 148572	65
Hatres Tehee Fayne No. 183118, H. S. Bruce, Carlisle, Ohio	185
Heifer calf from No. 148955	55
Rhoda Rose Monk Pet No. 109042	75
Nudine Johanna De Kol 2d No. 192332, A. G. Mills, Pittsfield, Ohio	130
Yearling heifer, Wm. Nichols, LaGrange, Ohio	155
Heifer calf from No. 148572, C. F. Brown, Hartford, S. D.	75
Heifer calf from No. 99263, J. J. Prindle, Columbiana St., Ohio	85
Cora Cybele 2d No. 143006, R. T. Stevens, Shelny, Ohio	180
Don De Kol 2d, bull calf, Wm. Loveland, Wellington, Ohio	70
Total	$8215
Average	$178.47

George M. Dague Consignment.

Monk Nudine, yearling bull, W. J. Pratt, Brunswick, Ohio	$ 125
King Rauwerd Fayne, yearling bull, J. B. Henderson, Hickory, Pa.	100
Christmas Ormsby No. 111392, J. C. Stover, Shelby, Ohio	255
Dell Tehee Fayne, heifer, 2 yrs,	300
Alice Ruth De Kol No. 166242, J. C. Stover	255
Jennie Bellewood, T. H. Russell, Geneva, Ohio	300
Dell Rauwerd 2d's Nudine No. 68396	190
Alice Ruth Gerster No. 91628, R. T. Stevens, Shelby, Ohio	175
Total	$1700
Average	212.50

A. A. Sanders Consignment.

Shawasse Zwelle, T. H. Russell, Geneva, Ohio	$ 250
Inez Crescent Pietertje, H. F. Stover, Shelby, Ohio	145
Ansmey Ankje Mercedes, Milton H. Behner, Marion, Ohio	175
Shawasse Zwelle 3d, H. Sooy, Penfield, Ohio	80
Lady Ruth De Kol 2d, Dr. Eddy, Cleveland, Ohio	80
Saginaw Mercedes Pietertje De Kol, G. S. Reece, Wooster, Ohio	280
Segis Pledge Hengerveld, Clinton Hauwk, Medina, Ohio	100
Total	$1110
Average	158.57

L. Blanters Consignment.

Grisilda Lady Wayne 2d Bonnie No. 103286, T. H. Russell	$ 300
Griselda Lady Wayne 2d Bonnie 2d No. 132539, Hamilton Farms, Ont.	245
Bonnie Wayne Hesseltje No. 179236, Hamilton Farms	170
Minnie Bawn No. 59033, E. G. & N. Klooz, West Dover, Ohio	120
Daisy Mahomet Pet 3d No. 182100, E. G. & N. Klooz	140
Mercedes Netherland Queen 2d No. 147758, E. G. & N. Klooz	195
Sir Rag Apple Lorinda Ismay No. 185475, Wm. Crosier & Son	130
De Kol Huntress Orphan Queen No. 57570, Geo. Law, LaGrange, Ohio	175
Shadyside Cornucopia Lily 121706, T. H. Russell	200
Yearling heifer, Jas. Dunham	135
Total	$1940
Average	176.36

W. C. HUNT,

Fayetteville, - - New York

Offers a few choice cows and heifers, some bred to KING PONTIAC JEWEL (2 first daughters tested average over 20 lbs. as Jr. 2-year-olds.) His sire, KING OF THE PONTIACS, first dam by PONTIAC KORNDYKE, 2d, dam by HENGERVELD DE KOL.

44.15 lbs. Daughter of King of the Pontiacs 44.15 lbs.

Others bred to PIETERTJE HENGERVELD SEGIS—20 tested daughters—two 3-year-olds above 25 lbs. and 5 others, 20.74 to 22.85 lbs. at 2 years. His sire, KING SEGIS; his dam, Blanch Lyons DeKol (33.31 lbs.) She has a 33-lb. full sister and a 30-lb. daughter. PRICES RIGHT. Bell Telephone.

Suburban Trolley Cars Direct to Farm, 6 Miles from Syracuse. 9

Official Records of Holstein-Friesian Cows

March 2nd to March 8th, 1913.

Two hundred and sixty-one cows.

Name of Cow and Owner.	Age y. m. d.	Days from Calving	Cons'tive Days	Milk lbs.	Average % fat	Butter fat lbs.
Full Aged Class.						
Jane Korndyke of Riverside 93925, A. W. Morris & Sons	6 0 0	6	7	575.5	4.37	25.178
	6 0 0	6	30	2746.1	3.47	95.196
Aralia De Kol 55194, A. W. Morris & Sons Cor.	12 5 25	28	7	742.3	3.25	24.108
	12 5 25	12	30	3069.1	3.19	97.841
Pauline Pet Clothilde 2nd 82510, Henry S. Hale	7 10 20	36	7	691.1	3.34	23.148
Aaggie Acme of Riverside 93957, A. W. Morris & Sons Cor.	6 0 14	15	7	585.1	3.88	22.678
Friend Lucile Bawn 76966, Frank B. Fargo	8 0 17	19	7	550.0	4.04	22.207
Skylark Canary 97776, R. B. Young	5 5 23	8	7	543.1	4.05	22.026
Skylark Ormsby Hengerveld 91572, Christopher Graham	5 11 17	22	7	581.9	3.67	21.372
	5 11 17	10	30	2407.6	3.56	85.726
Jane Pauline 78189, F. C. & K. A. Overton	7 10 10	46	7	577.4	3.56	20.574
	7 10 10	23	30	2473.4	3.30	81.661
Star Belle De Kol 66290, George Hetts & Sons	10 2 21	19	7	496.5	4.13	20.505
Edith Prescott Cornucopia 98607, A. W. Brown	6 2 10	29	7	572.7	3.50	20.066
Aaggie of Lynfeld's Pauline 3rd 109971, G. D. Tinsman	5 3 4	13	7	593.7	3.35	19.885
K. P. Belle De Kol 103173, Stevens Brothers Co.	5 4 23	6	7	478.0	4.15	19.854
	5 4 23	6	30	2343.3	3.47	81.261
August Wit Mercedes 75396, Henry B. Favill	7 11 11	28	7	551.7	3.59	19.824
	7 11 11	7	30	2243.3	3.47	77.762
Carlotta Pietertje Beauty 79208, E. E. Risley	8 1 17	8	7	559.0	3.53	19.751
Frisky Bawn 2nd 107207, Truman C. Denham	6 10 13	23	7	507.6	3.86	19.592
Kappijne Gem De Kol 80567, O. E. Emery	8 1 3	15	7	602.6	3.22	19.393
Inka Burke Van Beers 104654, T. H. Russell	5 8 18	13	7	545.7	3.52	19.213
Ophelia Clyde Pauline 81284, Stevens Bros. Co.	7 6 13	6	7	440.7	4.34	19.150
Lucy Cordova 90700, E. E. Ellett	6 10 17	7	7	477.1	4.00	19.102
Beauty De Kol Princess 78097, R. E. Coe	7 8 16	30	7	596.0	3.20	19.100
Gem Hengerveld Mollie 108726, E. E. Risley	5 3 21	9	7	468.2	4.04	18.913
Louise Zozo De Kol 115603, E. A. Vandervoort	5 2 26	18	7	500.0	3.78	18.904
Lucy De Kol Wayne 72011, George Hetts & Sons	9 2 19	9	7	465.6	3.99	18.562
Friesland Mutual De Kol Pauline 2nd 72694, M. B. C. Orphanage and Home	8 6 8	14	7	595.8	3.10	18.475
	8 6 8	7	14	1108.6	3.20	35.467
Lady Minita 77142, Frank B. Fargo	8 0 11	13	7	495.9	3.64	18.075
Oakhurst Aaggie Clothilde 116723, Flock Brewing Co.	5 10 7	11	7	503.4	3.52	17.744
Ladoga Pauline Netherland 99862, John B. Ault	5 8 11	9	7	501.2	3.52	17.667
Locust Hill Leaflet 68123, G. D. Tinsman	9 8 14	27	7	499.0	3.52	17.562
Nannie Johanna 99123, L. R. Soper	5 11 6	11	7	424.7	4.09	17.356
Spring Brook Roxie 81491, Walter M. Cruttenden	7 9 3	11	7	449.2	3.82	17.168
Aurora Piebe Johanna De Kol 79460, Frank B. Fargo	7 10 14	14	7	440.6	3.86	17.022
Daisy Pioneer 83737, F. C. & K. A. Overton	7 8 28	47	7	506.7	3.36	17.007
Sita De Kol Netherland Queen 98254, J. H. Ellis	6 3 15	14	7	405.2	4.20	17.006
Lucile Inka Pietertje De Kol 104233, L. R. Soper	5 9 9	25	7	509.7	3.32	16.925
Pietertje Witkop De Kol Pauline 97807, Christ. Graham	6 0 26	7	7	466.0	3.62	16.869
Blonde Queen De Kol 2nd 77912, R. E. Coe	8 11 7	58	7	541.9	3.11	16.860
America Clothilde 81855, Walter L. Terry	7 1 11	143	7	437.3	3.84	16.802
	7 1 11	142	14	879.2	3.75	33.006
Marydale Butter Girl Posch 116188, E. E. Risley	5 11 21	16	7	622.7	2.66	16.539
Canary Jane 108713, J. C. Roberts	5 4 16	23	7	488.4	3.37	16.446
Maud Spofford De Kol 81101, M. & L. Upham	8 0 15	13	7	423.6	3.87	16.374
Lita De Kol 81492, Walter M. Cruttenden	9 3 14	25	7	413.1	3.94	16.294
Plum De Kol Lass 4th 127663, Truman C. Denham	5 2 0	6	7	481.5	3.34	16.061
Woodcrest Lassie 2nd 125833, J. W. Dimick	5 10 22	24	7	499.3	3.21	16.022
Dora De Kol Bess 89994, F. C. & K. A. Overton	6 2 21	48	7	391.2	4.09	16.006
Lady Watson 2nd 59174, T. Wright	11 7 3	15	7	491.7	3.25	15.969
Susie De Kol Johanna 103270, Derrer Brothers	5 5 19	19	7	509.6	3.13	15.936
Clothilde Burke De Kol 76895, T. H. Russell	8 8 2	7	7	423.9	3.74	15.849
Gem Rigtje De Kol Daisy Mink 89864, Henry B. Favill	6 9 17	23	7	513.0	3.07	15.769
Waverly Netherland Nettje 2nd 102518, Nelson Brothers	10 1 22	13	7	512.5	3.06	15.707
Ruth De Kol Buttercup 2nd Doris 105951, R. E. Chapin	5 5 23	30	7	416.7	3.76	15.678
	5 5 23	15	30	1747.1	3.65	63.839
Lady Hetje Vernon De Kol 2nd 93871, J. H. Ellis	6 0 1	31	7	529.6	2.95	15.641
Addie De Kol Pietertje 89830, Charles P. Reed	6 9 22	29	7	530.6	2.93	15.558
Maud De Kol Aaggie 5th 97700, R. C. Wilson & Son	6 10 9	12	7	456.5	3.38	15.427
Beauty Lilith De Kol 86929, Walter L. Terry	6 6 23	66	7	480.1	3.19	15.333
	6 6 23	62	14	926.7	3.30	30.625
Diamondale Princess 135874, M. B. C. Orphanage & Home	6 0 3	14	7	396.4	3.85	15.298
	6 0 3	12	14	807.6	3.75	30.285
Qui Vive De Kol Pietertje 69101, R. E. Chapin	9 8 23	27	7	424.9	3.59	15.269
	9 8 23	23	30	1834.5	3.41	62.582
Flossie Freddie De Kol 100130, Max A. Witte	5 10 1	60	7	446.4	3.41	15.202
Katydid Homestead De Kol 70965, Frank B. Fargo	9 0 8	7	7	427.7	3.53	15.101
Gertrude Fayne De Kol 100014, T. H. Russell	5 11 12	35	7	446.6	3.32	14.849
Jessie De Kol Netherland 2nd 67695, Walter L. Terry	9 9 5	27	7	500.0	2.93	14.633

	9	9	5	20	14	941.7	2.99	28.195
Rowena Maid Daughter 96731, R. E. Coe	6	2	26	72	7	545.1	2.68	14.624
Beryl Maud Mahomet 95992, Henry B. Favill	5	11	26	12	7	453.5	3.21	14.566
Rosa De Kol Bonheur 86685, Derrer Brothers	7	4	6	13	7	403.2	3.57	14.399
Ormsby Butter Maid 106638, Henry B. Favill	5	5	12	14	7	438.4	3.27	14.343
Bessie De Kol Cloverdale 114866, Noah Holcomb	6	1	5	19	7	450.3	3.18	14.324
Queen Korndyke Signet De Kol 86213, Charles E. Waterman	7	0	14	11	7	312.4	4.44	13.855
Egotistic 65563, Derrer Brothers	10	1	5	9	7	445.9	3.08	13.720
Kate Aaggie 2nd 131587, Max A. Witte	12	2	6	60	7	423.6	3.23	13.692
Piebe Orleans Colanthus 89664, Max A. Witte	6	1	6	36	7	373.9	3.62	13.545
Cleopatra Johanna 95844, Henry B. Favill	6	4	29	10	7	391.1	3.44	13.451
Senora Daisy De Kol 58816, M. & L. Upham	11	8	12	18	7	444.4	2.98	13.229
Psyche Pietertje De Kol 97933, L. R. Soper	5	6	14	30	7	439.8	3.00	13.186
Genista 2nd 109137, Walter L. Terry	5	1	2	50	7	428.3	3.05	13.045
Mercedes Belmont 2nd's Inka 66733, G. E. Van Hagen	10	2	7	22	7	351.6	3.70	12.992
Lady Jones Vigil 85588, Badger & Frost	7	4	8	93	7	437.8	2.92	12.792
Pauline Bellade De Kol 90016, J. H. Vandervoort	6	11	22	14	7	346.2	3.69	12.779
Erma Lipkje Pet 70985, H. C. Scott	8	9	25	27	7	436.2	2.91	12.684
Leda B. De Kol 2nd 76795, George Van Hagen	9	9	28	7	7	419.9	3.00	12.598
Correct Time 80810, Derrer Brothers	7	3	25	45	7	362.9	3.44	12.515
Nydita 66559, A. W. Morris & Sons	9	2	28	140	7	426.6	2.87	12.242
Sita De Kol 50505, J. H. Ellis	13	7	28	65	7	362.5	3.37	12.229
Alice Aaggie De Kol 100131, Max A. Witte	6	0	18	20	7	314.6	3.82	12.023
Senior Four-Year Class.								
K. P. Abbekerk 107892, Stevens Bros. Co.	4	7	21	19	7	526.7	3.90	20.567
	4	7	21	6	30	2133.1	4.01	85.516
Buffalo Cora 104638, R. B. Young	4	10	27	8	7	568.2	3.28	18.630
Susie Johanna Segis 105597, A. P. Larimer	4	8	5	19	7	510.6	3.53	18.021
Friend Ormsby De Kol 113018, Frank B. Fargo	4	9	1	6	7	426.0	4.20	17.888
Brookside Houwtje Johanna 111490, Walter L. Terry	4	10	18	30	7	448.1	3.72	16.658
Lydia Beets De Kol 2nd 111630, Frank Viele	4	9	16	25	7	465.2	3.49	16.232
Tioga Lita 107100, Walter M. Cruttenden	4	8	27	23	7	403.4	3.87	15.618
Ivy Ormsby De Kol 113019, Frank B. Fargo	4	8	22	20	7	494.4	3.14	15.511
Arcady Pontiac Aaggie Wayne 108976, Percy C. Werthwein	4	9	10	12	7	542.9	2.83	15.367
Triple Johanna Lyons 107501, E. H. Knapp & Son	4	9	21	52	7	430.3	3.47	14.925
Lyndon Fayne De Kol Hartog 106809, R. E. Coe	4	10	9	29	7	467.6	3.07	14.352
Forward Schuiling Lady 119575, A. P. Warren	4	7	9	9	7	438.2	3.27	14.345
Cornucopia Inka 117247, W. E. Lamb	4	8	7	10	7	449.9	3.15	14.154
Aaggie Beets of Burlington 3rd 114970, Walter L .Terry	4	10	10	15	7	407.4	3.34	13.618
Wayne Ida Rosa 143292, A. B. Miles	4	8	26	27	7	487.5	3.67	13.001
Kappijne Korndyke 115187, U. L. Lashbrook	4	10	17	8	7	410.5	3.15	12.934
Williametta Cecila De Kol 118112, James Meteer	4	8	7	19	7	443.2	3.91	12.908
Tehee Johanna Ida 106131, Orphanage & Home	4	8	2	71	7	343.3	3.41	11.719
Junior Four-Year Class.								
Delta Clydatla Paul 127322, Walter L. Terry	4	2	6	29	7	480.7	3.78	18.192
Catrina Cornucopia Lilith 123442, A. W. Brown	4	3	14	14	7	429.0	4.15	17.802
Bonny Beatrice 111631, Frank Viele	4	3	22	8	7	422.0	4.17	17.600
Foxey Mutual De Kol Korndyke 123196, T. Wright	4	3	4	14	7	412.7	4.19	17.273
Carrie Korndyke 122355, E. A. Vandervort	4	1	2	6	7	342.8	5.01	17.159
Uneeda Korndyke Alberta 119472, F. J. Bristol & Sons Co.	4	1	9	8	7	436.4	3.84	16.763
Rue Korndyke 123197, T. Wright	4	3	13	9	7	423.6	3.79	16.073
Popular 2nd De Kol 118242, Derrer Brothers	4	0	23	28	7	490.1	3.26	15.973
Leah Campbell 2nd's Jess 3rd 118965, E. E. Canniff	4	1	20	16	7	504.3	3.03	15.305
Rocky Ridge Winona 116602, Charles P. Reed	4	1	16	53	7	435.5	3.51	15.296
Rogersville Belle Beauty 2nd 123195, T. Wright	4	2	28	15	7	439.0	3.46	15.172
Spring Hill Christmas Prilly 118798, C. C. Smith & Son	4	0	24	10	7	431.5	3.41	14.723
Poland Beauty 2nd Hengerveld 119319, E. E. Canniff	4	0	15	24	7	479.2	3.07	14.708
Queen Ormsby Parthenea 2nd 125557, Stevens Bros. Co.	4	0	3	9	7	428.4	3.33	14.273
Homeland Pietertje 122924, George E. Van Hagen	4	2	24	11	7	363.8	3.55	12.916
Tioga Betsy Vale 116919, Walter M. Cruttenden	4	1	7	35	7	318.1	3.96	12.601
Senior Three-Year Class.								
Ethel Wit De Kol Korndyke 133080, Frank L. Ronas	3	8	26	12	7	499.8	3.57	17.862
Aaggie Cornucopia Paul 2nd 132471, E. E. Ellett	3	7	7	9	7	528.4	3.30	17.412
Nutula Queen Alcartra 2nd 128919, A. W. Morris & Sons	3	8	22	7	7	401.3	3.77	15.143
Masterpiece Duchess 137440, W. A. Matteson	3	8	7	8	7	396.7	3.65	14.495
Best of Napoli Princess 123484, S. S. Cramer	3	6	15	24	7	332.3	3.92	13.024
Sylpha De Kol Burke 123050, Henry B. Favill	3	7	17	11	7	356.2	3.50	12.452
Princess Dairy Maid De Kol 2nd Girl 129365, E. E. Risley	3	6	9	17	7	339.4	3.51	11.916
Van Segis 126961, L. R. Soper	3	10	19	13	7	362.0	3.27	11.825
Burke De Kol Hengerveld 2nd 132315, M. J. Rodger	3	7	13	68	7	377.5	3.13	11.812
Elcey Johanna Ondine 123415, Christopher Graham	3	8	13	19	7	286.4	3.99	11.439
Adirondac Roxy Korndyke 125217, M. J. Rodger	3	7	6	77	7	334.1	3.27	10.937
Susie Pietertje De Kol Koningen 3rd 119302, R. E. Coe	3	7	2	82	7	330.6	3.20	10.587
Agnes Segis Bellade De Kol 130045, J. H. Vandervort	3	9	9	22	7	327.4	3.08	10.098
Matilda Princess Aaggie De Kol 132714, Joseph Le Frois	3	6	9	88	7	320.9	3.02	9.683
Junior Three-Year Class.								
G. & B. Calamity Wayne Rose 139690, E. F. Osler	3	2	3	26	7	487.9	3.92	19.107
	3	2	3	11	30	1964.5	3.89	76.431
Pledge Monarch Cornucopia 131053, T. H. Russell	3	3	6	13	7	490.9	3.61	17.728
De Kol Pontiac Princess 126638, F. C. & K. A. Overton	3	1	10	21	7	469.5	3.51	16.469
Molly Spofford Pietertje 123479, S. S. Cramer	3	3	21	8	7	370.5	4.33	16.055
Olga Frenesta De Kol 144495, T. H. Russell	3	2	4	17	7	465.5	3.36	15.635
Lilith Canary Twisk 143831, Lamb & Langworthy	3	0	13	29	7	466.0	3.23	15.069
	3	0	13	16	30	1907.7	3.25	62.003
Pauline Effie Homestead 130725, E. E. Ellett	3	2	27	28	7	471.2	3.15	14.823
Arlep Netherland 2nd 126014, G. M. Carpenter	3	5	14	14	7	360.5	4.09	14.739
Luta L. 2nd Molly Spofford 123481, S. S. Cramer	3	5	25	7	7	426.2	3.46	14.734

Walker Pietertje Artis 146653, R. E. Chapin	3	1	11	32	7	415.2	3.50	14.543
	3	1	11	18	30	1728.6	3.49	60.376
Floa Princess 143070, A. W. Morris & Sons Cor,	3	2	24	10	7	500.9	2.88	14.439
Concordia Korndyke 140671, Don J. Wood	3	2	24	23	7	448.1	3.15	14.112
Esfa Korndyke 149158, M. J. Roger	3	4	18	23	7	420.2	3.34	14.023
Mabel Colantha Johanna De Kol 139167, C. S. Gay	3	3	4	21	7	402.2	3.45	13.891
Terracelawn Pauline Beets 128826, E. H. Knapp & Son	3	2	26	19	7	426.5	3.21	13.709
Monona Helena Burke 137173, Henry B. Favill	3	0	26	17	7	383.7	3.53	13.533
Loyalsock Abbekerk Mooie 137086, Flock Brewing Co.	3	4	16	24	7	423.7	3.05	12.944
Wadmantje Queen De Kol Girl 144368, W. P. Mayhugh	3	1	0	11	7	387.7	3.22	12.499
Auke Johanna De Kol 136618, Frank B. Fargo	3	5	22	11	7	361.0	3.46	12.499
Rockridge Albino Hartog 143077, Charles P. Reed	3	1	27	49	7	392.5	3.16	12.406
Mercedes Leaflet De Kol 126510, G. D. Tinsman	3	3	22	12	7	417.8	2.90	12.131
Rockridge De Kol Posch 142432, Charles P. Reed	3	1	12	65	7	397.6	3.04	12.094
Castine Withoorn De Kol 2nd 140222, W. H. Mead	3	1	18	30	7	344.9	3.43	11.817
Netherland Korndyke 136940, R. C. Wilson & Son	3	2	0	17	7	308.2	3.80	11.720
Creetia Corrine 144541, W. P. Mayhugh	3	2	3	36	7	340.6	3.08	10.491
Lilith Cornucopia Beets 133297, Henry B. Favill	3	1	12	14	7	335.8	3.12	10.474
Eunice Pet Cornucopia 144881, W. F. Schilling	3	1	18	14	7	358.9	2.88	10.334
May Foley 135253, A. P. Larimer	3	5	20	73	7	340.9	2.93	9.996
Countess Netherland Johanna 190651, O. U. Kellogg	3	1	26	10	7	234.3	4.23	9.908
Dotty Hamilton 137399, Henry S. Hale	3	4	12	10	7	300.0	3.24	9.734
Wisteria 2nd's Maid 3rd 128007, J. H. Ellis	3	3	3	126	7	326.3	2.88	9.391
Senior Two-Year Class.								
K. P. Jeweline 139974, Stevens Bros. Co.	2	10	13	6	7	349.5	5.96	20.837
	2	10	13	6	30	1703.9	4.96	84.512
Miss Korndyke Chloe Mechthilde 188013, John B. Irwin	2	8	7	28	7	492.1	3.37	16.567
	2	8	7	12	30	2022.2	3.37	68.179
Lady Tobe De Kol 149887, John H. Phelps	2	9	7	35	7	424.1	3.87	16.401
Buffalo Annie Skylark 132530, R. B. Young	2	9	13	9	7	392.5	3.96	15.532
Locust Onyx 131512, A. Porter	2	11	5	18	7	443.5	3.30	14.624
Lilith Rag Apple 160432, F. J. Bristol & Sons Co.	2	7	13	11	7	425.1	3.39	14.408
Sunflower Sunbeam Cornucopia 133172, Nelson Brothers	2	9	19	22	7	439.3	3.54	13.551
Pasma Burke 137644, A. W. Morris & Sons Cor.	2	11	19	14	7	373.0	3.60	13.446
Minnehaha Gerben of Cedarside 152089, A. W. Morris & Sons Cor.	2	8	17	18	7	454.2	2.91	13.231
Ethel Butter Girl 154949, E. E. Risley	2	11	23	15	7	415.5	3.10	12.864
Tyranena Pontiac Butter Maid 142053, Frank B. Fargo	2	7	22	10	7	285.8	4.44	12.684
Inka Duchess Beauty Star 2nd 152695, Frank L. Ronas	2	7	22	71	7	295.8	4.20	12.415
Colantha Pietertje Verbelle 146571, W. F. Schilling	2	9	24	35	7	402.8	3.06	12.323
Iduna Clothilde 3rd Hengerveld 133459, G. M. Carpenter	2	9	12	47	7	366.4	3.24	11.897
Dark Duchess 157791, F. C. & K. A. Overton	2	6	1	7	7	280.4	4.22	11.819
Easter Lily Grindetia Korndyke 156041, D. J. Washburn & Son..	2	6	18	23	7	349.0	3.17	11.052
	2	6	18	16	14	673.3	3.07	20.685
Saint Lawrence Aaggie Vale 160276, R .C. Wilson & Son	2	9	28	15	7	289.3	3.42	9.890
Betty Goudgeld De Jong 147961, Frank Viele	2	9	12	34	7	285.7	3.41	9.732
Lady Wayne Houwtje 151518, C. P. Reed	2	6	27	25	7	298.0	3.24	9.655
Diana Beets Segis 147962, Frank Viele	2	8	15	10	7	305.6	3.16	9.644
Bradford Aaggie 140200, Harry B. Davis	2	8	7	181	7	239.2	4.00	9.561
Grizzella Hazel Artis 147776, F. R. Babcock	2	10	7	37	7	314.6	2.98	9.381
Delta Segis 143886, Walter L. Terry	2	8	15	23	7	338.8	2.75	9.317
Luecke Lady Withoorn 2nd 154854, W. H. Mead	2	7	28	9	7	234.0	3.89	9.099
Bradford Pietje 140202, Harry B .Davis	2	10	11	103	7	281.1	3.20	8.985
Gold Bug 3rd Houwtje 130290, G. G. Booth	2	9	3	91	7	238.1	3.69	8.780
Calamity Pontiac Bess 126639, F. C. & K. A. Overton	2	7	15	187	7	252.8	3.41	8.625
Junior Two-Year Classs.								
Forward Somerset Duchess 167221, A. P. Warren	2	1	1	9	7	481.1	3.23	15.539
Elmwood De Kol Korndyke 2nd 172571, Frank L. Ronas	1	10	6	41	7	387.8	3.99	15.477
Marjorie Spofford Korndyke 163224, M. & L. Upham	2	3	4	12	7	335.8	4.57	15.312
Maid of Steuben 2nd 157787, F. C. & K| A. Overton	2	4	21	22	7	378.0	3.89	14.714
Uneeda Korndyke Cynthia 162289, F. J. Bristol & Sons Co.	2	2	17	7	7	343.6	4.11	14.118
Forward Clementine Bessie 167217, A. P. Warren	1	11	29	13	7	378.2	3.63	13.710
Betty Butter Boy 145197, E. A. Vandervort	2	0	11	41	7	374.9	3.63	13.606
Netherland Contest De Kol Elliston 154135, C. S. Gay	2	3	11	11	7	394.5	3.32	13.096
	2	3	11	6	14	773.3	3.35	25.891
Jessie Pontiac Korndyke 168612, F. B. & W. P. Sprague	2	0	2	21	7	398.2	3.98	12.835
Klaasje Madrigal 2nd 155019, G. M. Carpenter	2	4	23	14	7	334.0	3.80	12.699
Korndyke Charm 157784, F. C. & K. A. Overton	2	5	5	23	7	369.0	3.42	12.632
Belle Model Homestead De Kol 160611, Ira M. Starr	2	4	7	11	7	384.7	3.22	12.392
Jule Marvley Como Burton De Kol 2nd 158840, E. M. Baker	2	4	20	11	7	362.4	3.38	12.248
Aaggie Yellala Yanko De Kol 2nd 162777, A. Porter	2	2	7	30	7	366.6	3.34	12.247
Lady Watson Korndyke 164320, T. Wright	2	0	27	69	7	318.3	3.84	12.208
Beryl Hengerveld Burke 157400, C. K. Lunde	2	2	26	23	7	336.2	3.61	12.133
Monona Jewel Dean 161472, Henry B. Favill	2	1	2	17	7	312.4	3.82	11.941
Queen Netherland Daisy De Kol 2nd 142021, E. A. Vandervort	2	4	19	25	7	358.6	3.30	11.828
Paladin Raphaella Farmstead 149100, Bradley Fuller	2	0	4	21	7	317.5	3.71	11.813
Buffalo Topsy Johanna 142763, R. B. Young	2	2	24	6	7	342.8	3.42	11.723
Buffalo Aphrodite Beets 153939, R. B. Young	1	10	23	6	7	339.9	3.37	11.452
Allie Meta Fayne Hengerveld 149195, Stevens Bros. Co.	1	11	20	13	7	316.8	3.58	11.328
Delta Korndyke Butter Boy 164733, Walter L. Terry	2	4	2	24	7	325.5	3.48	11.327
Diotime Clyde Korndyke 152262, A. W. Morris & Sons Cor.	2	0	9	10	7	419.9	2.70	11.324
Pearl Artis De Kol 2nd 168215, W. F. Schilling	2	1	12	6	7	359.9	3.12	11.222
Nettie Jenks Wiegertje Tiffany 158526, E. A. Vandervoort	2	2	18	30	7	322.8	3.45	11.121
Annie Queen De Kol Segis 145539, E. H. Knapp & Son	1	11	29	56	7	348.2	3.17	11.042
Mercedes Pontiac Wit 143514, Henry B. Favill	2	1	3	14	7	273.0	4.03	11.014
Monona Prescott De Kol 157365, J. W. Dimick	2	1	16	9	7	289.9	3.76	10.913
Maplecroft Peck De Kol 163061, W. A. Matteson	1	11	11	26	7	363.1	2.97	10.792
	1	11	11	11	30	1456.7	2.92	42.502

Jefferson Belle Homestead De Kol 2nd 160847, M. J. Rodger	2 1 1	27	7	276.7	3.90	10.791
Johanna Korndyke Alban 161445, J. C. Roberts	1 10 26	28	7	334.5	3.18	10.645
Portage Pauline Paul 5th 142545, George J. Schuster	2 4 21	22	7	300.5	3.54	10.637
Maple Valley Johanna 161160, L. R. Soper	2 2 24	49	7	320.2	3.32	10.624
Pansy Duchess Mayo 3rd 156098, F. R. Babcock	2 3 21	29	7	384.2	2.71	10.413
Ophelia Pontiac 170056, E. M. McBrier	2 0 7	7	7	286.6	3.63	10.401
Beauty Barrington De Kol 155043, F. B. & W. P. Sprague	2 5 0	96	7	316.0	3.24	10.226
Buffalo Ruth Beets 146939, R. B. Young	2 0 4	7	7	264.8	3.79	10.049
Corinne De Kol Clothilde 142945, Merrill Austin	2 3 12	8	7	381.2	2.63	10.016
Kara Korndyke De Kol 160848, E. A. Vandervort	2 1 12	11	7	286.0	3.49	9.986
Missy of Elmhurst 146126, Charles E. Waterman	2 5 3	21	7	252.7	3.94	9.967
Kalsora Pontiac Hengerveld 173229, Charles P. Reed	1 11 3	13	7	273.6	3.57	9.760
Velstra Aaggie 3rd 152787, E. A. Vandervort	1 11 17	12	7	256.3	3.79	9.714
Walker Canary Inka 162974, Lamb & Langworthy	2 0 28	52	7	304.8	3.19	9.713
Jessie Korndyke Hengerveld 2nd 152548, H. R. Wait	1 11 24	17	7	314.7	3.07	9.665
Paladin De Kol Beauty 149102, Bradley Fuller	2 0 4	12	7	304.2	3.17	9.657
Johanna Ruth Clothilde 181941, E. W. McNitt	2 3 7	17	7	335.5	2.87	9.624
Wakefield Elizabeth Clothilde 154814, George E. Van Hagen	2 0 18	9	7	237.6	4.03	9.582
Saint Lawrence Pietertje Aaggie 160277, R. C. Wilson & Son	1 8 7	73	7	256.0	3.72	9.529
Walker Altoana De Kol Beryl 162975, Lamb & Langworthy	2 0 0	69	7	312.0	3.05	9.527
Spring Hill Hengerveld Duchess 162342, C. C. Smith & Son	2 2 18	19	7	340.3	2.79	9.495
Roxie Ormsby Korndyke 166797, Harry B. Davis	2 2 7	41	7	236.6	4.00	9.478
Gold Dust Burke De Kol 165449, W. H. Mead	2 1 0	30	7	298.9	3.16	9.459
Maple Knoll Korndyke Kirtle 148418, Harry B. Davis	2 5 29	123	7	288.6	3.26	9.415
Pinkette Korndyke De Kol 161771, Edwin Kuhlman	2 2 19	30	7	284.6	3.29	9.363
Lucy De Kol of Sunny Side 160653, E. E. Ellett	2 2 24	44	7	302.4	3.08	9.322
Marion Keyes Mercedes De Kol 169793, J. W. Dimick	1 9 24	17	7	274.8	3.38	9.282
Wipacar Lyons 150963, T. H. Russell	1 11 18	9	7	305.2	3.02	9.202
Woodlawn Netherland Daisy 179666, J. T. Williams	2 1 11	13	7	348.0	2.64	9.181
Hazel Tiffany 171345, E. A. Vandervort	1 11 29	9	7	270.6	3.37	9.122
Hill Pine Echo De Kol 154649, E. E. Risley	1 10 10	16	7	294.0	3.08	9.049
Flora Artis Belle Walker 153478, A. B. Miles	1 8 17	87	7	267.3	3.31	8.836
Agnes De Kol May Flower 163779, H. R. Wait	2 2 3	38	7	256.0	3.43	8.771
Countess Hengerveld Ormsby 171994, George E. Van Hagen	1 10 0	12	7	219.5	3.86	8.471
Buckeye De Kol Gerben 2nd 140856, A. W. Morris & Sons	2 3 0	8	7	251.8	3.31	8.341
Joanna Pietertje Ykema 146408, E. W. Berry	2 2 26	25	7	262.9	3.15	8.282
Klondyke Lady Beryl De Kol 171027, J. H. Ellis	1 10 28	9	7	264.6	3.12	8.264
Christmas Beauty Tiffany 167618, E. A. Vandervort	2 0 26	7	7	244.4	3.36	8.212
Susie Cornucopia Pauline 161724, W. P. Mayhugh	1 11 11	69	7	276.9	2.95	8.162
Segis Johanna Hengerveld 152784, A. Porter	2 0 6	87	7	245.8	3.30	8.122
Jemima Butter Girl 2d 152785, A. Porter	1 10 14	54	7	244.5	3.27	7.996
Gewina Beauty Johanna 158458, G. D. Hodge	1 8 9	42	7	246.4	3.21	7.913
Blanche Nudine Clothilde 152625, T. H. Russell	1 10 21	32	7	297.6	2.57	7.649

Delavan, Wis., March 29, 1913. MALCOLM H. GARDNER, Supt. of Advanced Registry.

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But can spare a few Heifer Calves from one to three months old.

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Offers grandsons of Pontiac Korndyke, by Sir Beets Korndyke 91212. His dam Fairview Beets Korndyke has a record of 27.02 at 4 years. She is a sister to Pontiac Lady Korndyke 38.08. Bulls are nicely marked and out of well bred A. R. O. cows. For further information write W. B. Dodds &, Son, No. Hero, Vt.

WE CAN SUIT YOU WITH PRICE AND QUALITY

Bull calves out of A. R. O. daughters of Friend Hengerveld De Kol Butter Boy, Pietertje Hengerveld Count De Kol and Pietertje Hengerveld Segis; and the great bull Pontiac Aaggie Korndyke and Beach Hengerveld Segis.

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FOR SALE—Bull calf sired by Pietje Cornucopia Paul De Kol, and whose dam "Aaggie of Lynfeld's Pauline 3rd", has an A. R. O record of 24 86. Also two bull calves sired by a son of "King of the Hengervelds," and whose dam, "Ina Aaggie" has an A. R. O. record of 26.47. All nicely marked. (10)

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For registered Holstein-Friesians a pure-bred Kentucky Jack, 14 hands 3 inches high and weighs 900 lbs.

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A sire that combines faultless individuality with exceptional breeding, and that in addition has the ability to transmit his good qualities to his offspring, may be looked upon as a desirable herd bull. Such a bull is Ormsby Korndyke Lad, owned by Messrs. Harry B. Davis, Chester, N.

A $50-DOLLAR BULL BARGAIN

A $50.00 bargain in a bull, born December 17, 1912. Three-fourths white. Sir—Sir Inka Susie De Kol, who was from a daughter of Prince Johanna De Kol and by a sire that combines in the closest degree the blood of Pontiac Pauline Paul and Hengerveld De Kol. Dam—Johnson White Beauty, a daughter of the great young sire, Sir Segis Korndyke Walker, whose fifteen nearest dams average over 25 lbs.

For further information inquire of

H. E. MACHOLD, Ellisburg, N. Y.

King Segis Pontiac Clorinda

Junior Sire AURAY FARMS, is by KING SEGIS PONTIAC Ffrom K. P. CLORINDA

A great A. R. O. and S. O. daughter of **KING OF THE PONTIACS** as 2 yr. jr. 721.9 butter and 17.713 milk. A sister to the **WORLD'S CHAMPION 44-lb. COW**

You all know this breeding

His sires in five generations have produced **forty-six** 30 to 44-lb daughters.

Bull calves from choice A. R. O. dams for sale. For pedigrees descriptions and prices, write

Auray Farms

F. M. Avery. I. M. Avery, Mgr.
Sparta, Sussex Co., New Jersey

The Holstein-Friesian World is read Wherever Black and Whites are bred.

Wanted---Holstein-Friesian Yearling heifers and heifer calves.

D. M. White, Bath, New York

ABSOLUTE DISPERSION

OF THE

CRUMHORN HERD

Having decided to close out the historic Crumhorn establishment, Mr. James M. Anderson will sell the herd at public auction,

May 29-30, 1913 at the Crumhorn Stock Farms, Pompton Plains, New Jersey

Individuality and pedigree have always been prime requirements for entry in the Crumhorn Herd. Under the care of Mr. Raycraft the records were a natural result. A large number of cows now in the herd have records of 2 0to 30 lbs. each.

In respect to high average individual quality, the Crumhorn Herd has no superior. The Crumhorn Consignment to the 1913 Sale in this respect is representative of the quality of the whole herd. Never in public auction were so many animals of uniformity high quality offered as comprised this remarkable consignment.

The older members of the herd include many daughters of the wonderful sire, Johanna De Kol 2d's Lad, whose daughters include a large number with records, ranging from 20 to 36 lb. It is doubtful if there has ever been offered for sale an equal number of daughters of one sire that measure up to these in respect to individual quality.

Thirty young daughters of Judge Hengerveld De Kol, from large record dams would make a fortune for some breeder, if kept together, and rightly developed.

In the herd is also much of the blood of King of the Pontiacs, one of his sons being among the Crumhorn herd sires.

TUBERCULIN TEST

The whole herd has been tested annually for several years. There have been **no reactions** in the last few tests. All animals over six months wil lbe tested again before the sale.

Watch for further announcements.

For catalog address the Manager of the Sale, E. M. HASTINGS, Lacona, N. Y.

When writing for catalog be sure to mention the World and state whether or not you expect to attend the sale.

Friend Hengerveld DeKol Butter Boy

LEADS ALL OTHER SIRES

The daughters of Friend Hengerveld DeKol Butter Boy occupy first place in four of the A. R. O. and semi-official classes. No other sire has daughters at the head of more than two of these classes so that the daughters of Friend Hengerveld DeKol Butter Boy occupy as many of the first places in the various classes as do the daughters of any other two sires combined. :-: :-:

A Few Choice Bull Calves For Sale

MAPLECREST FARM

DAN DIMMICK & BRO., Proprietors

OFFICE at Kalamazoo, Mich.

Telephone connection between Farms and Office

FARMS at E. Claridon, O.

Kindly address all correspondence to Kalamazoo, Mich.

LOCUST GROVE

offers a 6 months old son of KING PONTIAC JEWEL, whose first three daughters to freshen at Locust Grove are Locust Grove Jewel, 2 yr., 5 mo., 27 days, 19.14 lbs.; Locust Grove Hartog Jewel, 2 yr., 1 mo. 24 days, 15.816 lbs.; Pauline Pontiac Jewel, 2 yr., 3 mo., 4 days, 21.031 lbs. butter, 7 days. Calf has a very heavy body, broad back, good hip, carries out well to root of tail. Dam has 16.64 lbs. record. Price $75. Photo, if desired.

C. H. CHASE — Burlington Flats, N. Y.

COUNTRY LIFE FARM

has during the past three months officially tested 16 heifers, the oldest one four years and eleven months and the youngest one two years and three months. This herd of sixteen heifers, at average age of three years and five months, produced in seven days 436.2 lbs milk and 18.894 lbs. butter I have a few choice bull calves, sired by sons of 30-lb. dams and out of these heifers with A. R. O. records ranging from 15 to 24 lbs. butter in seven days that I wish to sell, they are large, straight and handsome and the prices are from $75 up.

HARRY D. WHEELER, Prop.

West Winfield, - - - New York

Pleasant Hill Herd

Bull calf, born Nov. 18, 1912. A very fine individual, evenly marked. Sire—Sir Veeman Hengerveld, 43 A. R. O. daughters; two 4-year-olds above 30 lb.s; two 2-year-olds above 25 lbs. Ten that average 29 lbs. butter in 7 days. And many more good ones coming on. Dam—Star Girl Pontiac Artis, A. R. O. record as junior two-year-old. Milk, 7 days, 421.7 lbs. She is one of the best daughters of Sir Korndyke Pontiac Artis.

W. D. ROBENS

Poland — New York

MARBLE VALLEY STOCK FARM

Herd Bull, Fairview Korndyke Lad No. 48018. Sire—Pontiac Korndyke. Dam—Pontiac Pet 37.68. Only two sons of his left, one out of a daughter of Imperial Pontiac Korndyke, the other out of a grand daughter of Korndyke Queen De Kol's Prince. They are light in color, handsomely marked and fine individuals, for pedigrees and prices, write

J. H. MEAD & SON, — West Rutland, Vt.

"THE ASYLUM HERD"

Hengerveld De Kol and Pontiac Korndyke. The two greatest sires the world has ever known were raised and owned by us. If you want a bull calf, why not buy of people who raised and developed the world beaters. We have a few sons from daughters of these celebrated sires for sale. (t.f.)

PONTIAC STATE HOSPITAL — Pontiac, Michigan

MAPLE RIDGE HERD

has for sale at reasonable prices, a few Bull calves sired by Maple Ridge King Pontiac. No. 64330, a brother of the new world's record cow. These calves are nearly all from A. R. O. dams, and will be priced right. Write for Pedigree and Prices to

C. H. FITCH & SONS, - - Burlington Flats, N. Y.

The Stanley Engraving Co.

Photo-Engravers, Zinc Etchers Designers

Half tones, 3 x 4, at the low price of $1.50. Cuts that will run. Reference, this paper. Satisfaction guaranteed. Library Bldg., Tioga St., Ithaca, N. Y.

For Sale: A grandson of Korndyke Butter, out of a 28.60 pound cow, testing 4.2 per cent. fat, a daughter of Lilith DeKol's Count, (36 A.R.O. daughters.)

E. S. Aiken, S. Cambridge, N. Y

HOLSTEIN-FRIESIAN STOCK FOR SALE

Some bargains in bull calves—one grand dam of Hengerveld De Kol, two sons of Sir Korndyke Wayne, two yearling grandsons of Hengerveld De Kol, also some fall heifer calves by each of above sires. Address

WINTERINGHAM FARM,
Millerton, N. Y.

BULL CALVES BRED IN THE BLUE

We offer a fine individual born Oct. 18. Two-thirds white. Sire, King Colantha Pontiac Korndyke (76965), whose sister on the dam's side has a record of 38.02 lbs. in 7 days and 156.9 lbs. in 30 days. Dam's record is 15.92 lbs. as a 4-year-old. Price $60.00.

CEDARDALE STOCK FARM,
Rutland, Vt. — O. A. Thomas, Prop.

On another page is an advertisement of the Crumhorn Dispersion. If you are in the market for cattle that will put you in the front rank, better begin now to make your plans to attend.

GREAT YOUNG BULL

King Korndyke Hengerveld Veeman, No. 91860

Born December 13, 1911

Sire—Sir Korndyke Pontiac Artis 46301. Dam—Victoria DeKol Hengerveld Veeman, 24.3 at 3 years. full sister to Elsie Veeman Wayne, 30.9, Queen Veeman Wayne, 29.27, both at 4½ years. Fine individual nicely marked, richly bred. Price reasonable.

UNITED BREEDERS' ASSOCIATION
Wyalusing, Pa.

Water in the Stable a Necessity

THE "Buckley" Device

for watering stock is the leader. Why not use the best? Write to the manufacturers for a descriptive circular,

Poughkeepsie Foundry & Machine Co.
POUGHKEEPSIE, N. Y.

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H. A. Moyer, Syracuse N. Y., says "they **SAVE COST** in feed in one winter." Send address for specifications of inexpensive yet sanitary cow stable to

W. B. CRUMB, Brown St., Forestville, Ct.

FOR SALE—Bull calf sired by a grandson of King of the Pontiacs, and whose dam has an A. R. O. record of 21.58 lbs. butter in 7 days. Price $75.00 if sold soon. Write me for pedigree and particulars. Chas. Ohler, Lucas, Ohio. (7)

Maplehurst Farms

Senior herd bull KING PONTIAC CANARY 78766 brother to SPRING FARM PONTIAC LASS, 44.15, the new world's champion cow.

Lamb & Langworthy

East Hamilton New York

HOLSTEIN-FRIESIAN ADVERTISING

Buying or selling you may profit by our help in locating cattle or finding customers. A dozen years' experience enables us, with our up-to-date equipment, to give you the first hand information not to be found elsewhere; and also to handle in the most acceptable manner, livestock, advertising, pedigree and catalogue work, and the management of public sales. E. M. HASTINGS, Holstein-Advertising, Lacona, N. Y.

Typewritten Pedigrees for 35c

OR 3 FOR $1.00

Showing 14 ancestors; under the males the number of their A. R. O. daughters and producing sons; under the females, their A.R.O. records with the number of their A. R. O. daughters and producing sons. Give me name and number of sire and dam when the numbers go higher than 178946 for females and 95246 for males.

F. G. JOHNSTON

37 W. Lane Ave. Columbus, O.

Any bull with thirty young daughters from high record dams would make an attractive offering. Suppose that bull is the best son of Hengerveld De Kol. Then you begin to understand a little of the character of the Crumhorn Herd—to be dispersed in public sale May 29-30, 1913.

COTTONWOOD STOCK FARM

offers for sale three Bulls ready for service, nicely marked and well developed. Also a few Bull calves. Write for pedigree and prices.

E. E. CONVERSE
Potsdam, N. Y.

RIVERSIDE STOCK FARM

offers a Holstein-Friesian bull, born May 4, 1912. Sire, Aaggie Cornucopia Johanna Lad 7th, whose dam and sire's dam average 32.57 lbs. butter in 7 days. Dam, a 22-lb. daughter of Paul Beets De Kol. This bull is a three-fourth brother to a 32-lb. cow. Write for pedigree and price.

A. W. BROWN & SON,
West Winfield, N. Y.

WELL DRILLING Machines

Over 70 sizes and styles, for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on sills. With engines or horse powers. Strong, simple and durable. Any mechanic can operate them easily. Send for catalog.

WILLIAMS BROS., Ithaca, N. Y.

MAPLEMONT FARM

offers a bull calf, sired by Pietje Alcartra Fayne, whose 4 nearest dams average over 31 lbs. of butter for 7 days and 124 lbs. for 30 days. Dam of calf a 3-year-old granddaughter of Hengerveld De Kol. Butter 7 days 24.037 lbs. Second dam a 24-lb cow. This calf is three-fourths white, beautifully marked, straight as a line. The first check for $200 buys him. (tf)

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Write for literature

Baled Shavings for Dairy Bedding

Cheaper than straw, and are considered a necessity in sanitary dairies. For delivered price in car lots, write

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LAKESIDE HERD HOLSTEIN-FRIESIANS

(Handsomest of the Breed)

HOME OF THE "MODEL FAMILY"

Fifty very highly bred, recorded, Holstein-Friesian heifers of various ages, nearly all from A. R. O. ancestors.

Choice young cows with A. R. O. records.

The finest class of young bulls of the breed, backed by large A. R. O. records, some over 30 lbs. Prices reasonable. Write for particulars.

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CHENANGO VALLEY STOCK FARM

Herd headed by

PRINCE RAG APPLE KORNDYKE, No. 73415

.. Sire—Pontiac Korndyke. Dam—Fairview Rag Apple Korndyke.

WHITMAN A. FOLLETT - - - - North Norwich, N. Y.

Holstein-Friesians to Sell

We have been giving some bargains in Holstein-Friesians and still have 40 head to pick from. Come and inspect them for yourself, and you will say the price is low and you will take some home with you.

H. PERKINS & SON

Red Creek, - - - New York

SPRING FARM HERD

offers a bull carrying a large per cent of the blood of the world's champions, 11 months old and ready for light service, three-fourth brother of a $10,000 bull. Sire—King Segis Pontiac. Dam—K. P. Queen Burke, A. R. O., 17.10 at 2 years, 2 months, 15 days. She will greatly increase her record. One-half sister of Spring Farm Pontiac Lass, 44.152 7 days; 171.59 30 days. World's champion. This bull can be bought for $350 on board cars here. Here dam will be given every chance to increase her record.

FRANCIS M. JONES, Clinton, Oneida Co., N. Y.

A BARGAIN

Bull born Feb. 8th, 1912, dam, Lockhart Heegstra De Kol, No. 91366, milk 607.8 lbs. butter 28.206 lbs. in seven days. Her dam has 25.78 lbs. and is a full sister to the dam of Lockhart De Kol. Sire, Sir Lilith Hengerveld No. 54436, his first daughter, under two years, made 20.20 lbs. butter in seven days. I had only two junior two-year-olds to freshen this winter—one made 20.15 lbs., the other has just completed her record —milk 363.4, butter 21.026 in seven days. Will sell this bull at $500.00. Tuberculin tested and crated. The bull is two-thirds white.

LOCKHART HOLSTEIN-FARM, Solsville, N. Y.
Eugene La Munion.

SPRINGVALE STOCK FARM

"Home of the Johannas"

Premier sire, COLANTHA JOHANNA CHAMPION. His first 14 daughters all at 2 years of age average 16.5 lbs. butter in 7 days—over 20 lbs. and more to follow.

Would you like one of his bull calves or a calf out of one of his daughters and sired by the richest bred young bull living, our King Pieter Lyons? If so inspect our offerings.

No females for sale. Address,

W. J. GILLETTE & SON **Rosendale, Wis.**

30 REGISTERED COWS AND HEIFERS

I am offering 20 cows ranging in age from 3 to 7 years. 10 heifers from 3 months to 2 years. These are the De Kol, Paul Beets, Korndyke and Pontiac strains. Come and see them.

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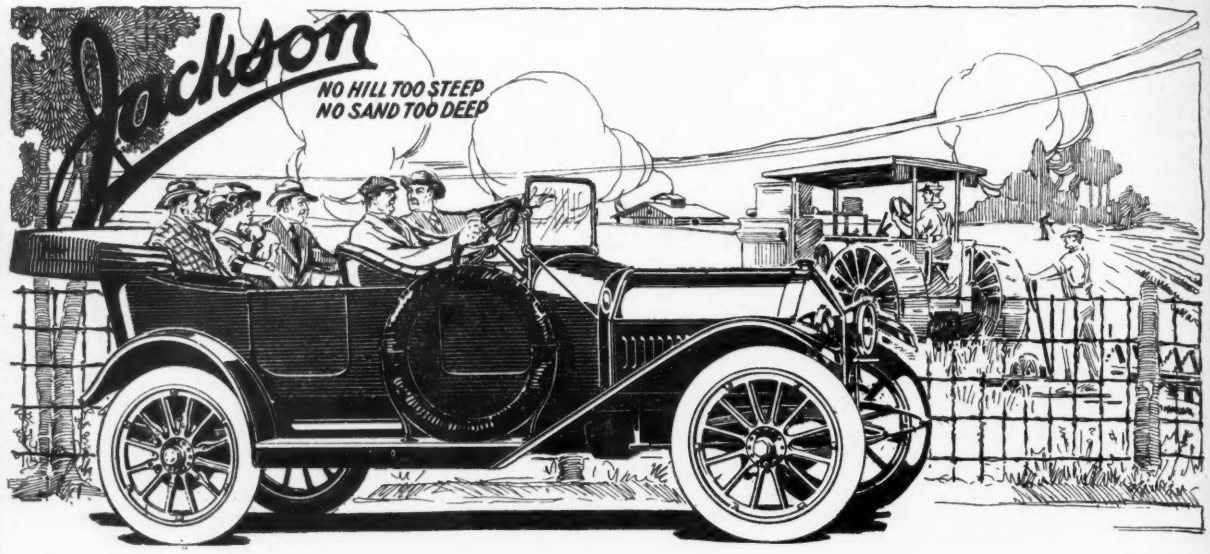

"OLYMPIC" (illustrated)—$1500

35 H. P. four-cylinder touring car, completely equipped. Electric starter and lights are optional, at an extra cost of $225.

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45 H. P. four-cylinder touring car, completely equipped and fitted with electric starter and lights.

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55 H. P. six-cylinder touring car, seven passenger, completely equipped and fitted with electric starter and lights. Five-passenger, $2500.

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